

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: CHESAPEAKE BAY - VA portion of CBP segment
HYDROLOGIC UNIT: 02080101
TMDL ID: VACB-C10E-POC
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 54 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE:

LATITUDE:

LONGITUDE:

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE:

LATITUDE:

LONGITUDE:

This waterbody segment encompasses VA waters of Pocomoke Sound and Beasley Bay. Contains part of 2002 303d segment VACB-R01E-06. Includes monitoring stations EE3.3, EE3.4.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Estuarine Bioassessments (Benthos)

This segment is non-supporting for the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due assessment of estuarine probabilistic benthic survey results.

IMPAIRMENT SOURCE: Unknown

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: CHESAPEAKE BAY - VA portion of CBP Segment
HYDROLOGIC UNIT: 02080101
TMDL ID: VACB-C10E-TAN
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 122 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE:

LATITUDE:

LONGITUDE:

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE:

LATITUDE:

LONGITUDE:

This waterbody segment encompasses waters of Tangier Sound. Includes monitoring station EE3.2.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Estuarine Bioassessments (Benthos)

This segment is non-supporting for the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due assessment of estuarine probabilistic benthic survey results.

IMPAIRMENT SOURCE: Unknown

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: BSS Shellfish condemnation #11, Opposite Cape
HYDROLOGIC UNIT: 02080101
TMDL ID: VACB-R01E-04CE
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.4 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE:

LATITUDE:

LONGITUDE:

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation #11, Opposite Cape Charles City

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen

This segment is a subsegment of CBP segment CB7PH. As such its assessment is based upon the assessment of this larger segment. This segment is non-supporting for the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to dissolved oxygen criteria violations in Deep Water (< 4.0 mg/l Violation rate of 23% Deep water, 3% Open Water) observed at water quality monitoring stations CB7.1, CB7.1N, CB7.1S, CB7.2, CB7.2E, CB7.3, CB7.3E, CB7.4, CB7.4N.

IMPAIRMENT SOURCE: Nonpoint Sources, Point Sources, Sources Outside State Jurisdiction

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Lancaster, Northumberland
STREAM NAME: CHESAPEAKE BAY - VA portion of CB5MH
HYDROLOGIC UNIT: 02080101
TMDL ID: VACB-R01E-CB5
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 215 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE:

LATITUDE:

LONGITUDE:

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE:

LATITUDE:

LONGITUDE:

Segment encompasses Bay mainstem open water from the MD-VA state line southward to line running from North shore mouth of Rappahannock River to Tangier Island. Includes monitoring stations CB5.4, CB5.4W, CB5.5. Contains parts of 2002 303d segments VACB-R01E-02 and VACB-R01E-05

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen, Estuarine Bioassessments (Benthos), EPA Overlisting (Nutrients)

This segment is non-supporting for the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to dissolved oxygen criteria violations in Deep Water and Deep Channel areas (< 4.0 mg/l Violation rate of 65% Deep Channel, 24% Deep water, .2% Open Water) observed at water quality monitoring stations CB5.4, CB5.4W, CB5.5. The segment is also non-supporting for Aquatic Life Use Support Goal because of impaired benthic communities. This segment was also listed as impaired in 1998 by EPA due to nutrient enrichment concerns.

IMPAIRMENT SOURCE: Nonpoint Sources, Point Sources, Sources Outside State Jurisdiction, Unknown, Nonpoint Sources, Point Sou

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Hampton, Lancaster, Mathews, Poquoson
STREAM NAME: CHESAPEAKE BAY - CBP segment CB6PH
HYDROLOGIC UNIT: 02080101
TMDL ID: VACB-R01E-CB6
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 287 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE:

LATITUDE:

LONGITUDE:

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE:

LATITUDE:

LONGITUDE:

This segment encompasses Eastern Chesapeake Bay mainstem open water from mouth of Rappahannock River to Mobjack Bay. Includes monitoring stations CB6.1, CB6.2, CB6.3, CB6.4. Contains parts of 2002 303d segments VACB-R01E-03, VACB-R01E-05, VACB-R01E-07, VACB-R01-08

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen, EPA Overlisting (Nutrients)

This segment is non-supporting for the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to dissolved oxygen criteria violations in Deep Water (< 4.0 mg/l Violation rate of 29% Deep water, 4% Open Water) observed at water quality monitoring stations CB6.1, CB6.2, CB6.3, and CB6.4. Most of this segment was also listed as impaired in 1998 by EPA due to nutrient enrichment concerns.

IMPAIRMENT SOURCE: Nonpoint Sources, Point Sources, Sources Outside State Jurisdiction, Nonpoint Sources, Point Sources, Sour

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack, Northampton
STREAM NAME: CHESAPEAKE BAY - CBP Segment CB7PH
HYDROLOGIC UNIT: 02080101
TMDL ID: VACB-R01E-CB7
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 587 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE:

LATITUDE:

LONGITUDE:

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE:

LATITUDE:

LONGITUDE:

This segment encompasses Western Chesapeake Bay mainstem open water from mouth of Rappahannock River to Mobjack Bay. Includes monitoring stations CB7.1, CB7.1N, CB7.1S, CB7.2, CB7.2E, CB7.3, CB7.3E, CB7.4, CB7.4N. Contains parts of 2002 303d segments VACB-R01E-03, VACB-R01E-06, VACB-R01-08.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen, EPA Overlisting (Nutrients)

This segment is non-supporting for the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to dissolved oxygen criteria violations in Deep Water (< 4.0 mg/l Violation rate of 23% Deep water, 3% Open Water) observed at water quality monitoring stations CB7.1, CB7.1N, CB7.1S, CB7.2, CB7.2E, CB7.3, CB7.3E, CB7.4, CB7.4N. Most of this segment was also listed as impaired in 1998 by EPA due to nutrient enrichment concerns.

IMPAIRMENT SOURCE: Nonpoint Sources, Point Sources, Sources Outside State Jurisdiction, Nonpoint Sources, Point Sources, Sour

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Great Wicomico River
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-01
ASSESSMENT CATEGORY: 5A, 5B
SEGMENT SIZE: 0.54 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 13.55
LATITUDE: 37.88720 **LONGITUDE:** -76.44860

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation 089A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting, Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction, Dissolved Oxygen

VDH-DSS Shellfish Condemnation 089A, 4/3/2002
The TMDL is due in 2010.

In the 2004 cycle, the segment was assessed as not supporting of the Aquatic Life Use goal based on a dissolved oxygen violation rate of 12/97 at 7-GWR008.89. The DO TMDL is due in 2016.

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Balls Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-02
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.06 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.09
LATITUDE: 37.84930 **LONGITUDE:** -76.39530

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation Number 089B

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE:

 VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 089B, 4/3/2002

Size shortened in 2004 cycle

IMPAIRMENT SOURCE:

 Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Tipers Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-03
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.1 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.27
LATITUDE: 37.83390 **LONGITUDE:** -76.37080

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation Number 089C

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE:

 VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 089C, 4/3/2002

IMPAIRMENT SOURCE:

 Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Whays Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-05
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.04 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.35
LATITUDE: 37.84940 **LONGITUDE:** -76.30690

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation Number 089D

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 089D, 4/3/2002

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Warehouse Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-06
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.06 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.50
LATITUDE: 37.85890 **LONGITUDE:** -76.31810

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation Number 089E

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 089E, 4/3/2002

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Horn Harbor
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-07
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.05 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.07
LATITUDE: 37.86060 **LONGITUDE:** -76.34170

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation 089F

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 089F, 4/3/2002

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Cockrell Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-08
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 1.09 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 3.49
LATITUDE: 37.85920 **LONGITUDE:** -76.29440

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.12
LATITUDE: 37.31830 **LONGITUDE:** -76.28610

Described in VDH Notice and Description of Shellfish Condemnation Number 002

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 002A, 9/14/1993

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Prentice Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-09
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.11
LATITUDE: 37.72640 **LONGITUDE:** -76.33940

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.88
LATITUDE: 37.72720 **LONGITUDE:** -76.33580

Described in VDH Notice and Description of Shellfish Condemnation Number 022D

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 022D, 5/1/2002

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Chesapeake Bay: Owens Pond
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-10
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.18 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.58
LATITUDE: 37.85280 **LONGITUDE:** -76.26110

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.00
LATITUDE: 37.84270 **LONGITUDE:** -76.24920

Described in VDH Notice and Description of Shellfish Condemnation Number 122

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 122, 1/3/1992

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Chesapeake Bay: Little Taskmasters Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-11
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.05 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 0.46
LATITUDE: 37.82330 **LONGITUDE:** -76.26810

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.08
LATITUDE: 37.82030 **LONGITUDE:** -76.26420

Described in VDH Notice and Description of Shellfish Condemnation Number 190A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 190A, 4/21/1999

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Mill Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-12
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.3 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 4.81
LATITUDE: 37.79670 **LONGITUDE:** -76.36030

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 2.69
LATITUDE: 37.79250 **LONGITUDE:** -76.33280

Described in VDH Notice and Description of Shellfish Condemnation Number 123

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 123, 6/24/2002

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Cloverdale Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-13
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 0.93
LATITUDE: 37.77640 **LONGITUDE:** -76.31940

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.62
LATITUDE: 37.77560 **LONGITUDE:** -76.31390

Described in VDH Notice and Description of Shellfish Condemnation Number 124A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 124A, 5/15/2001

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Ball Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-14
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.09 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.18
LATITUDE: 37.76720 **LONGITUDE:** -76.32610

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation Number 124B

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE:

 VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 124B, 5/15/2001

Size extended in 2004 cycle.

IMPAIRMENT SOURCE:

 Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Dividing Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-15
ASSESSMENT CATEGORY: 5A, 5B
SEGMENT SIZE: 0.42 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 3.54
LATITUDE: 37.77000 **LONGITUDE:** -76.34060

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation Number 022A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting, Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction, Dissolved Oxygen

VDH-DSS Shellfish Condemnation 022A, 5/1/2002

The segment was initially listed for the Shellfishing Use in 1998. The size has been adjusted through the assessment cycles and now incorporates the old Lawrence Cove segment. The TMDL is due in 2010.

In 2004 the segment was also assessed as impaired of the Aquatic Life use based on a dissolved oxygen violation rate of 3/19 at 7-XDB000.08. The DO TMDL is due in 2016.

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Lancaster, Northumberland
STREAM NAME: Fleets Bay
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-16
ASSESSMENT CATEGORY: 5C
SEGMENT SIZE: 2.43 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Indian Creek confluence

RIVER MILE:

LATITUDE: 37.66320

LONGITUDE: -76.33030

DOWNSTREAM LIMIT:

DESCRIPTION: Dymer Creek confluence

RIVER MILE:

LATITUDE: 37.65400

LONGITUDE: -76.33500

Fleets Bay north of the midpoint between Tabbs and Dymer Creeks.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen

Dissolved oxygen violation rate of 3/3 in bottom layer of Fleets Bay at the confluence with Dymer Creek (7-DYM000.00) during the 2002 cycle.

The station was not monitored during the 2004 cycle.

IMPAIRMENT SOURCE: Stratification

Bottom water DO violations during special study.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Prentice Creek, Unnamed Cove
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-18
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.73560

LONGITUDE: -76.33310

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE: 37.73810

LONGITUDE: -76.33110

Described in VDH Notice and Description of Shellfish Condemnation Number 022B

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 022B, 5/1/2002

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Prentice Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-19
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE:
LATITUDE: 37.73000 **LONGITUDE:** -76.33880

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: 37.72890 **LONGITUDE:** -76.33560

Described in VDH Notice and Description of Shellfish Condemnation Number 022C

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 022C, 5/1/2002

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Lancaster
STREAM NAME: Lees Cove
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-20
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.02 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 0.50
LATITUDE: 37.67640 **LONGITUDE:** -76.33810

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.27
LATITUDE: 37.67360 **LONGITUDE:** -76.33690

Described in VDH Notice and Description of Shellfish Condemnation Number 024B

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 024B, 7/14/2000

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Chesapeake Bay, UT
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-21
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 0.44
LATITUDE: 37.81610 **LONGITUDE:** -76.27720

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.00
LATITUDE: 37.81330 **LONGITUDE:** -76.27360

Described in VDH Notice and Description of Shellfish Condemnation Number 190B

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 190B, 4/21/1999

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Lancaster, Northumberland
STREAM NAME: Indian Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-22
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.4 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 3.15
LATITUDE: 37.70720 **LONGITUDE:** -76.36060

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 1.63
LATITUDE: 37.69280 **LONGITUDE:** -76.34640

Described in VDH Notice and Description of Shellfish Condemnation Number 057A, 11/30/2000

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Condemnation 057A

VDH-DSS Shellfish Condemnation 057A, 11/30/2000

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Lancaster, Northumberland
STREAM NAME: Indian Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-23
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.82 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION: Pitmans Cove

RIVER MILE: 2.00

LATITUDE: 37.69490

LONGITUDE: -76.34880

DOWNSTREAM LIMIT:

DESCRIPTION: Mouth

RIVER MILE: 0.00

LATITUDE: 37.65400

LONGITUDE: -76.33500

From Pitmans Cove downstream to the mouth at the Chesapeake Bay.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen

In the 2002 cycle, Indian Creek was assessed not supporting of the Aquatic Life use based on widespread bottom water dissolved oxygen violations.

DO 2/4 at 7-IND000.00;
DO 4/31 at 7-IND000.50;
DO 2/4 at 7-IND0001.42;
DO 2/4 at 7-IND001.23;
DO 2/4 at 7-IND001.80.

During the 2004 cycle, the DO results were 2/27 at 7-IND001.50, which are acceptable. More monitoring should be conducted to confirm the impairment.

IMPAIRMENT SOURCE: Stratification

Bottom water DO violations during special study 8/22/1996.

The source of the mercury and arsenic is considered unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Lancaster
STREAM NAME: Dymer Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-24
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.12 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 3.14
LATITUDE: 37.68810 **LONGITUDE:** -76.36780

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 1.98
LATITUDE: 37.67780 **LONGITUDE:** -76.36030

Described in VDH Notice and Description of Shellfish Condemnation Number 024A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 024A, 7/14/2000

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Lancaster
STREAM NAME: Georges Cove
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-25
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.02 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 0.69
LATITUDE: 37.66140 **LONGITUDE:** -76.35640

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.38
LATITUDE: 37.66330 **LONGITUDE:** -76.35250

Described in VDH Notice and Description of Shellfish Condemnation Number 024C

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 024C, 7/14/2000

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Lancaster
STREAM NAME: Tabbs Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-27
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.07 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 2.31
LATITUDE: 37.65650 **LONGITUDE:** -76.37140

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation Number 133

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 133, 12/6/2002

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Lancaster
STREAM NAME: Antipoison Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-28
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.13 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 2.77
LATITUDE: 37.64250 **LONGITUDE:** -76.37080

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation Number 188A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 188A, 6/28/2002

Size extended in 2004 cycle.

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Jarvis Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-30
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.07 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 0.88
LATITUDE: 37.71190 **LONGITUDE:** -76.32220

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation Number 022E

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE:

 VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 022E, 5/1/2002

Size increased in 2004 cycle.

IMPAIRMENT SOURCE:

 Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Betts Mill Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-33
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.08 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation Number 089G

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 089G, 4/3/2002

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Lancaster
STREAM NAME: Davenport Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01E-34
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.02 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation Number 188B

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 188B, 6/26/2002

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northumberland
STREAM NAME: Bush Mill Stream
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C01R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 5.87 - Miles
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Headwaters
RIVER MILE: 8.30
LATITUDE: 37.87500 **LONGITUDE:** -76.54140

DOWNSTREAM LIMIT:

DESCRIPTION: Tributary at river mile 2.43
RIVER MILE: 2.43
LATITUDE: 37.84660 **LONGITUDE:** -76.46120

Segment comprises all of Bush Mill Stream upstream of tributary at river mile 2.43.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

The segment continues to be assessed as not supporting of the Recreation use support goal based on a fecal coliform standard violation rate of 3/20 at 7-BMS004.46.

IMPAIRMENT SOURCE: Unknown

The source of the fecal coliform violation is considered unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester, Middlesex
STREAM NAME: Dragon Run
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C02E-01
ASSESSMENT CATEGORY: 5C
SEGMENT SIZE: 0.13 - Sq. Mi.
INITIAL LISTING: 2002
TMDL SCHEDULE: 2014
UPSTREAM LIMIT:

DESCRIPTION: Tidal limit

RIVER MILE: 4.60

LATITUDE: 37.58610

LONGITUDE: -76.62360

DOWNSTREAM LIMIT:

DESCRIPTION: Mouth at Piankatank River

RIVER MILE: 0.00

LATITUDE: 37.56670

LONGITUDE: -76.57510

From the tidal limit downstream to the mouth at the Piankatank River.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen

The segment was assessed not supporting of the Aquatic Life Use based on a dissolved oxygen standard violation rate of 3/20 at the Route 17 bridge (7-DRN003.40).

IMPAIRMENT SOURCE: Natural Conditions

The dissolved oxygen impairment is suspected to be caused by natural conditions from upstream swamps.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester, King and Queen, Middlesex
STREAM NAME: Dragon Run
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C02R-01
ASSESSMENT CATEGORY: 5C
SEGMENT SIZE: 11.57 - Miles
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Route 602 bridge
RIVER MILE: 15.08
LATITUDE: 37.68490 **LONGITUDE:** -76.72720

DOWNSTREAM LIMIT:

DESCRIPTION: Tidal limit
RIVER MILE: 4.60
LATITUDE: 37.58610 **LONGITUDE:** -76.62360

From the Route 602 bridge downstream to the tidal limit.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: pH

The segment is impaired of the Aquatic Life Use based on a pH violation rate of 6/29 at 7-DRN010.48.

The segment length was changed during the year 2002 cycle because it was determined that Dragon Swamp is tidally influenced to approximately river mile 4.6.

IMPAIRMENT SOURCE: Natural Conditions

The pH impairment is believed to be caused by natural conditions from upstream swamps.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Essex, King and Queen, Middlesex
STREAM NAME: Dragon Run
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C02R-02
ASSESSMENT CATEGORY: 5C
SEGMENT SIZE: 19.81 - Miles
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Headwaters

RIVER MILE: 34.89

LATITUDE:

LONGITUDE:

DOWNSTREAM LIMIT:

DESCRIPTION: Route 602 bridge

RIVER MILE: 15.08

LATITUDE: 37.68490

LONGITUDE: -76.72720

From the headwaters downstream to the Route 602 bridge.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen, pH

Dragon Run was assessed impaired of the Aquatic Life Use in 2004 due to violations of the dissolved oxygen and pH standard at the Route 604 bridge (7-DRN015.51).

IMPAIRMENT SOURCE: Natural Conditions

The source of the pH and dissolved oxygen violations is attributed to natural conditions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester, Middlesex
STREAM NAME: Dragon Run
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C02R-03
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: - Miles
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Route 603 bridge

RIVER MILE: 10.48

LATITUDE:

LONGITUDE:

DOWNSTREAM LIMIT:

DESCRIPTION: Deep Point Boat Landing

RIVER MILE:

LATITUDE:

LONGITUDE:

Dragon Run and the Piankatank River from the State Route 603 bridge near Mascot downstream to Deep Point Boat Landing across from Piankatank Shores.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Fish Consumption Use - Not Supporting

IMPAIRMENT CAUSE: Mercury in Fish, VDH Fish Consumption Restriction

Dragon Run and the Piankatank River are considered impaired of the Fish Consumption Use based on DEQ monitoring which has indicated elevated levels of mercury in largemouth bass. The VDH has issued a fish consumption restriction for largemouth bass in this area.

A portion of this area was considered fully supporting but threatened in 2002 based on these results. Because of the VDH advisory, the segment location was altered and the segment was downgraded to impaired.

IMPAIRMENT SOURCE: Unknown

The source of the mercury is considered unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester, Mathews, Middlesex
STREAM NAME: Piankatank River
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C03E-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 11.45 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Mouth of Dragon Swamp
RIVER MILE: 21.38
LATITUDE: 37.56670 **LONGITUDE:** -76.57510

DOWNSTREAM LIMIT:

DESCRIPTION: Fishing Bay, approximately river mile 2
RIVER MILE: 0.00
LATITUDE: 37.53550 **LONGITUDE:** -76.29680

From the limit of tide downstream to the point at Fishing Bay.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen

The segment was assessed not supporting of the Aquatic Life Use because of dissolved oxygen violations.
DO 3/16 at 7-PNK015.49
DO 1/2 at MA98-0091 (bottom layer violation)

1995 Study Stations:
DO 4/7 at 7-PNK001.92;
DO 3/6 at 7-PNK002.86;
DO 3/5 at 7-PNK007.54;
DO 2/4 at 7-PNK009.53;
DO 2/4 at 7-PNK011.58;

IMPAIRMENT SOURCE: Stratification

Bottom water DO violations resulting from stratification.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester, Middlesex
STREAM NAME: Harpers Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C03E-02
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 1.97 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.56530

LONGITUDE: -76.57520

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE: 37.53670

LONGITUDE: -78.48560

Described in VDH Notice and Description of Shellfish Condemnation 076A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 076A, 6/6/2000

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Frenchs Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C03E-03
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 0.19
LATITUDE: 37.52690 **LONGITUDE:** -76.48190

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.00
LATITUDE: 37.52890 **LONGITUDE:** -76.48110

Described in VDH Notice and Description of Shellfish Condemnation 076B

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 076B, 6/6/2000

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Piankatank River: Ferry Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C03E-04
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.09 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.31
LATITUDE: 37.51110 **LONGITUDE:** -76.47920

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.12
LATITUDE: 37.51610 **LONGITUDE:** -76.46170

Described in VDH Notice and Description of Shellfish Condemnation 171

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 171, 6/9/98

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Middlesex
STREAM NAME: Piankatank River: Wilton Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C03E-05
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.13 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.74
LATITUDE: 37.54170 **LONGITUDE:** -76.41310

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.08
LATITUDE: 37.52060 **LONGITUDE:** -76.41670

Described in VDH Notice and Description of Shellfish Condemnation 126, 3/2/1993

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 126, 3/2/1993

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Middlesex
STREAM NAME: Healy Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C03E-06
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.07 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.12
LATITUDE: 37.54810 **LONGITUDE:** -76.38530

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.00
LATITUDE: 37.53830 **LONGITUDE:** -76.39220

Described in VDH Notice and Description of Shellfish Condemnation 129

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 129, 2/26/99

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Middlesex
STREAM NAME: Piankatank River: Moore Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C03E-07
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.02 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 0.87
LATITUDE: 37.54780 **LONGITUDE:** -76.35640

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.38
LATITUDE: 37.54170 **LONGITUDE:** -76.35890

Described in VDH Notice and Description of Shellfish Condemnation 208, 2/26/1999

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 108, 2/26/1999

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Middlesex
STREAM NAME: Jackson Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C03E-08
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.05 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.21
LATITUDE: 37.54830 **LONGITUDE:** -76.34440

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation 084A, 11/1/2001

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE:

 VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 084A, 11/1/01

Size increased during the 2004 cycle.

IMPAIRMENT SOURCE:

 Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Middlesex
STREAM NAME: Jackson Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C03E-09
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 0.63
LATITUDE: 37.55330 **LONGITUDE:** -76.33420

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.40
LATITUDE: 37.55000 **LONGITUDE:** -76.33390

Described in VDH Notice and Description of Shellfish Condemnation 084B, 11/1/2001

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 084B, 11/1/01

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Cobbs Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C03E-11
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.04 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.07
LATITUDE: 37.51470 **LONGITUDE:** -76.39530

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation 170

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE:

 VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 170, 11/5/01

Size reduced in 2004 cycle.

IMPAIRMENT SOURCE:

 Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Harper Creek, Foxes Creek, Gallaman Swamp
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C03R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 11.52 - Miles
INITIAL LISTING: 2002
TMDL SCHEDULE: 2014
UPSTREAM LIMIT:

DESCRIPTION: Headwaters

RIVER MILE: 6.76

LATITUDE: 37.51870

LONGITUDE: -76.59210

DOWNSTREAM LIMIT:

DESCRIPTION: Tidal limit

RIVER MILE: 1.00

LATITUDE: 37.52960

LONGITUDE: -76.51190

The segment consists of Harper Creek and its major tributaries, Foxes Creek and Gallaman Swamp.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen

The segment was initially listed as fully supporting but threatened in 1998 due to dissolved oxygen violations recorded at monitoring station 7-HRP001.15 (Harper Creek at Route 198). During the 2002 cycle the segment was downgraded.

In the 2004 cycle, the segment continued to show low dissolved oxygen in the summer months (6 violations out of 19 samples).

IMPAIRMENT SOURCE: Unknown

Source is unknown. There is a large beaver pond upstream and the area is swampy.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Queens Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-01
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.28 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.49140

LONGITUDE: -76.36420

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE: 37.48690

LONGITUDE: -76.32860

Described in VDH Notice and Description of Shellfish Condemnation Number 099A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 099A, 2/1/2001

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Milford Haven
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-02
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.03 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.48750

LONGITUDE: -76.31190

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE: 37.48970

LONGITUDE: -76.30470

Described in VDH Notice and Description of Shellfish Condemnation 099D

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 099D, 2/1/2001

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Milford Haven: Edwards Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-03
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.03 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 0.88
LATITUDE: 37.50030 **LONGITUDE:** -76.29390

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.42
LATITUDE: 37.49610 **LONGITUDE:** -76.29250

Described in VDH Notice and Description of Shellfish Condemnation 197B

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 197B, 2/1/2001

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Stutts Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-05
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.37 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation Number 061

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 061, 4/10/01

Condemnation was expanded in 2004 cycle and now incorporates the old condemnations on Stutts (due 2010) and Morris Creeks (due 2014).

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Morris Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-06
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.08 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Tidal limit

RIVER MILE: 1.11

LATITUDE: 37.44780

LONGITUDE: -76.31190

DOWNSTREAM LIMIT:

DESCRIPTION: River mile 0.15

RIVER MILE: 0.15

LATITUDE: 37.45830

LONGITUDE: -76.30560

Morris Creek from tidal limit to approximately river mile 0.15

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen

Dissolved oxygen 2/3 at 7-MRC000.69 in 2002 cycle

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IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Billups Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-07
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.07 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.88
LATITUDE: 37.44190 **LONGITUDE:** -76.28610

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.92
LATITUDE: 37.45220 **LONGITUDE:** -76.27170

Described in VDH Notice and Description of Shellfish Condemnation 204

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 204, 3/31/1999

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester, Mathews
STREAM NAME: North River
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-08
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.47 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.46280

LONGITUDE: -76.42720

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation Number 157A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 157A, 6/21/2002

Size was reduced by 0.01 sq. mi. in 2004 cycle

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Elmington Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-09
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.03 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 0.50
LATITUDE: 37.42360 **LONGITUDE:** -76.46080

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.19
LATITUDE: 37.42280 **LONGITUDE:** -76.45560

Described in VDH Notice and Description of Shellfish Condemnation 157B

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 157B, 6/21//2001

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Back Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-10
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.07 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 1.23
LATITUDE: 37.41580 **LONGITUDE:** -76.46940

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE: 0.00
LATITUDE: 37.41920 **LONGITUDE:** -76.45220

Described in VDH Notice and Description of Shellfish Condemnation 157C

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 157C, 6/21/2002

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Blackwater Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-11
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.5 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 2.48
LATITUDE: 37.44310 **LONGITUDE:** -76.41250

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation 131

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE:

 VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 131, 6/21/2002

Size increased in 2004 cycle.

IMPAIRMENT SOURCE:

 Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Davis Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-12
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.07 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE: 0.63
LATITUDE: 37.39580 **LONGITUDE:** -76.42750

DOWNSTREAM LIMIT:
DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: **LONGITUDE:**

Described in VDH Notice and Description of Shellfish Condemnation 207

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 207, 6/21/2002

Size increased in 2004 cycle.

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: East River
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-13
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.4 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.45100

LONGITUDE: -76.37610

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation 092

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 092, 6/12/2002

Size increased by 0.11 sq. mi. in 2004 cycle.

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Put In Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-14
ASSESSMENT CATEGORY: 5A, 5B
SEGMENT SIZE: 0.12 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary
RIVER MILE:
LATITUDE: 37.43250 **LONGITUDE:** -76.32370

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary
RIVER MILE:
LATITUDE: 37.41430 **LONGITUDE:** -76.33870

Described in VDH Notice and Description of Shellfish Condemnation Number 05A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting, Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction (1998), Dissolved Oxygen (2004)

VDH-DSS Shellfish Condemnation 05A, 6/5/96
TMDL is due in 2010

In 2014, the segment was also listed as being not supporting of the Aquatic Life use goal based on a dissolved oxygen violation rate of 2/8 at 7-XDK000.10. The TMDL is due in 2014.

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Davis Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-15
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.33550 **LONGITUDE:** -76.29910

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE: 37.33060 **LONGITUDE:** -76.30000

Described in VDH Notice and Description of Shellfish Condemnation 085

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 085, 11/13/2001

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Horn Harbor
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-18
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.24 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.37520

LONGITUDE: -76.31730

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation 026A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 026A, 1/25/2002

Size increased during 2004 cycle.

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Doctors Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-19
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.35030

LONGITUDE: -76.28310

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE: 37.30530

LONGITUDE: -76.27760

Described in VDH Notice and Description of Shellfish Condemnation 026B

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 026B, 1/25/2002

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Winder Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-25
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.47970 **LONGITUDE:** -76.35250

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE: 37.48180 **LONGITUDE:** -76.32610

Described in VDH Notice and Description of Shellfish Condemnation 099B

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 099B, 2/1/2001

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Lanes Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-26
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.05 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.47680

LONGITUDE: -76.31140

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation 099C

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 099C, 2/1/2001

Size increased during 2004 cycle.

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Lower East River: Unnamed Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-27
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.02 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.39910

LONGITUDE: -76.33010

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE: 37.39650

LONGITUDE: -76.33490

Described in VDH Notice and Description of Shellfish Condemnation 212A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 212A, 5/29/2001

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Milford Haven: Barn Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-28
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.05 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation Number 197A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 197A, 2/1/2001

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Mathews
STREAM NAME: Miles Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04E-29
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.03 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation Number 212B

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 212B, 5/29/2001

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY:
STREAM NAME: Burke Mill Stream
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C04R-02
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 2.69 - Miles
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Burke Pond
RIVER MILE: 2.69
LATITUDE: 37.48440 **LONGITUDE:** -76.45610

DOWNSTREAM LIMIT:

DESCRIPTION: Tidal limit
RIVER MILE: 0.00
LATITUDE: 37.46480 **LONGITUDE:** -76.44690

Burke Mill Stream from Burke Pond to extent of tide.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

The segment was assessed as impaired of the Recreation Use in 2004 based on a fecal coliform violation rate of 3/19 at the Route 3/Route 14 bridge.

IMPAIRMENT SOURCE: Unknown

The source of the fecal coliform violations is considered unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Ware River
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C05E-01
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.54 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.41320

LONGITUDE: -76.51330

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation 096

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 096, 5/4/2001

Size reduced in 2004 cycle.

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Wilson Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C05E-02
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.24 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.37770

LONGITUDE: -76.48650

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE: 37.36370

LONGITUDE: -76.47210

Described in VDH Notice and Description of Shellfish Condemnation 106

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 106, 8/4/1997

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Fox Mill Run
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C05R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 8.31 - Miles
INITIAL LISTING: 2002
TMDL SCHEDULE: 2014
UPSTREAM LIMIT:

DESCRIPTION: Headwaters

RIVER MILE: 7.07

LATITUDE: 37.44810

LONGITUDE: -76.60190

DOWNSTREAM LIMIT:

DESCRIPTION: Tidal limit

RIVER MILE: 2.01

LATITUDE: 37.40360

LONGITUDE: -76.51340

From its headwaters to the limit of tide.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen, Fecal Coliform

Assessed not supporting of the Aquatic Life Use because of a dissolved oxygen violation rate of 2/19 at the Route 17 bridge (7-FOX002.49).

Not supporting of the Recreation Use based on a fecal coliform violation rate of 5/18 at 7-FOX002.49.

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Northwest Branch Severn River
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C06E-01
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.59 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.33620

LONGITUDE: -76.49530

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE: 37.31710

LONGITUDE: -76.46680

Described in VDH Notice and Description of Shellfish Condemnation Number 093

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 093, 12/15/2000
Includes Vaughns Creek

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Monday Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C06E-02
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.04 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.27540

LONGITUDE: -76.40830

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation Number 125

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 125, 12/3/2002

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Southwest Branch Severn River: Heywood Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C06E-04
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.07 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.28270

LONGITUDE: -76.47370

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation Number 054A (previously called 101)

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 054A, 4/15/2002

Size reduced during 2004 cycle.

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Southwest Branch Severn River: Thorntons Creek
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C06E-05
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.06 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION: Upstream condemnation boundary

RIVER MILE:

LATITUDE: 37.28140

LONGITUDE: -76.47960

DOWNSTREAM LIMIT:

DESCRIPTION: Downstream condemnation boundary

RIVER MILE:

LATITUDE:

LONGITUDE:

Described in VDH Notice and Description of Shellfish Condemnation Number 054B

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

VDH-DSS Shellfish Condemnation 054B, 4/15/2002

Size reduced by 0.03 sq. mi. in 2004 cycle.

IMPAIRMENT SOURCE: Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Gloucester
STREAM NAME: Northwest Branch of Severn River
HYDROLOGIC UNIT: 02080102
TMDL ID: VAP-C06R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 3.1 - Miles
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Headwaters
RIVER MILE: 6.54
LATITUDE: 37.35910 **LONGITUDE:** -76.51690

DOWNSTREAM LIMIT:

DESCRIPTION: Tidal limit
RIVER MILE: 3.44
LATITUDE: 37.33640 **LONGITUDE:** -76.49480

From its headwaters to the limit of tide.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting, Aquatic Life Use - Not Supporting, Wildlife Use - Not Supporting

IMPAIRMENT CAUSE:

 Fecal Coliform, Chloride, Chloride

Considered to be not supporting of the Recreation Use goal because of a fecal coliform violation rate of 7/18 at 7-SEN004.04. The TMDL is due in 2014.

The segment was also listed in 2004 for the Aquatic Life and Wildlife Uses due to two chloride violations at 7-SEN004.04. The TMDL is due in 2016.

IMPAIRMENT SOURCE:

 Unknown, Unknown, Unknown

Source is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Hampton, York
STREAM NAME: Brick Kiln Creek
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.07 - Sq. Mi.
INITIAL LISTING: 1994 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins one-half mile upstream of Route 134
RIVER MILE: 4.64
LATITUDE: 37.08333 **LONGITUDE:** -76.40000

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends one-half mile downstream of Rt. 134
RIVER MILE: 3.64
LATITUDE: 37.08333 **LONGITUDE:** -76.40000

Segment begins one-half mile upstream of the Route 134 Bridge and extends one-half mile downstream.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting, Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform & Enterococci (2004), Dissolved Oxygen

Sufficient exceedances of Virginia's water quality standard for Fecal Coliform Bacteria & Enterococci (2004) and Dissolved Oxygen were recorded at DEQ's ambient water quality monitoring station on Brick Kiln Creek (7-BRK004.14) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal and not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report.

The cause of the Fecal Coliform & Enterococci (2004) Bacteria standard violation is the presence of enteric bacteria. The cause of the depressed oxygen levels is unknown.

IMPAIRMENT SOURCE: Unknown, Unknown

The Brick Kiln Creek monitoring station is located at the Route 134 Bridge over Brick Kiln Creek, City of Hampton. The watershed receives inputs from storm water runoff associated with the surrounding residential /urban area. The specific source of the enteric bacteria causing the Fecal Coliform Bacteria standard violations is currently unknown. This watershed is ranked high priority for potential NPS pollution by DCR.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Hampton, Newport News
STREAM NAME: New Market Creek (Lower)
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-02
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.05 - Sq. Mi.
INITIAL LISTING: 1996
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION: Segment begins one-half mi upstream Rt 134 Bridge

RIVER MILE: 2.40

LATITUDE: 37.01667

LONGITUDE: -76.36667

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends one-half mi downstream Rt 134 Br

RIVER MILE: 1.40

LATITUDE: 37.03333

LONGITUDE: -76.35000

Segment begins 0.5 mi. upstream of station at Route 134 bridge and extends 0.5 mi. downstream.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform & Enterococci (2004)

Sufficient exceedances of Virginia's water quality standard for Fecal Coliform & Enterococci (2004) Bacteria were recorded at DEQ's ambient water quality monitoring station on New Market Creek (7-NEW001.92) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2002 305(b) report.

The cause of the Fecal Coliform & Enterococci (2004) Bacteria standard exceedances is the presence of enteric bacteria.

IMPAIRMENT SOURCE: Unknown

The New Market Creek monitoring station is located at the Route 134 Bridge, in the City of Hampton. The watershed potentially receives inputs from residential sewage treatment systems, wetlands areas, and storm water runoff associated with the surrounding residential /urban area. This watershed is ranked high priority for potential NPS pollution by DCR. The specific source of the enteric bacteria causing the Fecal Coliform Bacteria standard violations is currently unknown.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Hampton
STREAM NAME: New Market Creek (Upper)
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-03
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins one-half mi upstream of Big Bethel Road.

RIVER MILE: 5.94

LATITUDE: 37.01470

LONGITUDE: -76.42330

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends one-half mi downstream of Big Bethel Road.

RIVER MILE: 4.94

LATITUDE: 37.02330

LONGITUDE: -76.40290

Segment begins one-half mile upstream of the monitoring station at Big Bethel Road.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE:

 Dissolved Oxygen, Fecal Coliform

Sufficient exceedances of Virginia's water quality standard for Fecal Coliform Bacteria and Dissolved Oxygen were recorded at DEQ's ambient water quality monitoring station on New Market Creek (7-NEW005.44) to assess this segment as not supporting of the Clean Water Act's Recreation Use and Aquatic Life Use Support Goals for the 2002 305(b) report.

The cause of the Fecal Coliform Bacteria standard violation is the presence of enteric bacteria. The cause of the Dissolve Oxygen criteria violation is unknown.

IMPAIRMENT SOURCE:

 Unknown, Unknown

The New Market Creek monitoring station is located at the Big Bethel Road crossing, City of Hampton. The watershed potentially receives inputs from residential sewage treatment systems, wetlands areas, and storm water runoff associated with the surrounding residential /urban area. This watershed is ranked high priority for potential NPS pollution by DCR. The specific source of the enteric bacteria causing the Fecal Coliform Bacteria standard violations and cause of the depressed oxygen levels are currently unknown.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: York
STREAM NAME: Poquoson River (Upper)
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-04
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.05 - Sq. Mi.
INITIAL LISTING: 1996 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins one-half mile upstream Route 1510
RIVER MILE: 4.60
LATITUDE: 37.13333 **LONGITUDE:** -76.43333

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends one-half mi downstream Route 1510
RIVER MILE: 3.60
LATITUDE: 37.13333 **LONGITUDE:** -76.33333

Segment begins one-half mile upstream of Route 1510 and extends one-half mile downstream.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform & Enterococci (2004)

Sufficient exceedances of Virginia's water quality standard for Fecal Coliform & Enterococci (2004) Bacteria were recorded at DEQ's ambient water quality monitoring station on Poquoson River (7-POQ004.12) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2002 305(b) report.

The cause of the Fecal Coliform & Enterococci (2004) Bacteria standard exceedances is the presence of enteric bacteria.

IMPAIRMENT SOURCE: Unknown

The Poquoson River monitoring station is located at the pier off Route 1510, Hollywood Boulevard, in York County. The watershed potentially receives inputs from residential sewage treatment systems, wetlands areas, and storm water runoff associated with the surrounding residential /urban area. This watershed is ranked high priority for potential NPS pollution by DCR. The specific source of the enteric bacteria causing the Fecal Coliform Bacteria standard violations is currently unknown.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Hampton
STREAM NAME: Back River,Southwest Branch
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-05
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.02 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Segment begins one-half mile upstream of station at mouth of Southwest Br.

RIVER MILE: 0.50

LATITUDE: 37.08550

LONGITUDE: -76.33500

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at mouth of Southwest Branch, Back River.

RIVER MILE: 0.00

LATITUDE: 37.09470

LONGITUDE: -76.33230

Segment extends from one-half mile upstream of station at mouth of Southwest Br.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances of Virginia's water quality standard for Fecal Coliform Bacteria were recorded at DEQ's ambient water quality monitoring station at the mouth of Southwest Branch Back River (7-SWB000.00) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2002 305(b) report.

The cause of the Fecal Coliform Bacteria standard violation is the presence of enteric bacteria.

IMPAIRMENT SOURCE: Unknown

The Southwest Br. Back River monitoring station is located at the mouth near Langley AFB, in City of Hampton. The watershed potentially receives inputs from residential sewage treatment systems, wetlands areas, and storm water runoff associated with the surrounding residential /urban area. The specific source of the enteric bacteria causing the Fecal Coliform Bacteria standard violations is currently unknown.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Poquoson, York
STREAM NAME: Lambs Creek
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-06
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.1 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00
LATITUDE: 37.13333 **LONGITUDE:** -76.36250

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00
LATITUDE: 37.15000 **LONGITUDE:** -76.45556

VDH-DSS shellfish harvesting condemnation # 137E, located in Poquoson River.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: York
STREAM NAME: Patricks Creek
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-07
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.11 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.13333

LONGITUDE: -76.36250

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.15000

LONGITUDE: -76.45556

VDH-DSS shellfish harvesting condemnation # 137C, located in Poquoson River.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Poquoson
STREAM NAME: Roberts Creek
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-08
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.12 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.13333

LONGITUDE: -76.36250

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.15000

LONGITUDE: -76.45556

VDH-DSS shellfish harvesting condemnation # 137F, located in Poquoson River.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Poquoson
STREAM NAME: White House Creek
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-09
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.1 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.13333

LONGITUDE: -76.36250

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.15000

LONGITUDE: -76.45556

VDH-DSS shellfish harvesting condemnation # 137G, located in Poquoson River.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: York
STREAM NAME: Back Creek - York County
HYDROLOGIC UNIT: 02080107
TMDL ID: VAT-C07E-10
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.06 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.20000

LONGITUDE: -76.42500

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.20000

LONGITUDE: -76.45000

VDH-DSS shellfish harvesting condemnation # 151, located in Back Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: York
STREAM NAME: Poquoson River
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-11
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.29 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.13333

LONGITUDE: -76.36250

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.15000

LONGITUDE: -76.45556

VDH-DSS shellfish harvesting condemnation # 137D, located in Poquoson River.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Poquoson
STREAM NAME: Back River: Front Cove
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-12
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.08 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.31667

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.11667

LONGITUDE: -76.31667

VDH-DSS shellfish harvesting condemnation # 193, located in Back River - Front Cove.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Hampton
STREAM NAME: Back River: Long and Crunland Creeks
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-13
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.2 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10000

LONGITUDE: -76.28889

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.05000

LONGITUDE: -76.28889

VDH-DSS shellfish harvesting condemnation # 158, Back River:Long and Grunland Creeks.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Hampton
STREAM NAME: Harris River (Creek)
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-14
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.27 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.29167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.39167

VDH-DSS shellfish harvesting condemnation # 21G, located in Back River - Harris Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Hampton
STREAM NAME: Inlet #1
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-15
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.29167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.39167

VDH-DSS shellfish harvesting condemnation # 21F, located in Back River - Inlet #1.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Hampton
STREAM NAME: Wallace Creek
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-16
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.06 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.29167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.39167

VDH-DSS shellfish harvesting condemnation # 21H, located in Back River - Wallace Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Poquoson
STREAM NAME: Topping Creek
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-17
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.04 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.29167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.39167

VDH-DSS shellfish harvesting condemnation #21A Back River - Topping Creek #21A

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Poquoson
STREAM NAME: Cedar & Brick Kiln Creeks - Back River
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-18
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.05 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.29167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.39167

VDH-DSS shellfish harvesting condemnation # 21B, located in Back River - Cedar Creek & Brick Kiln Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions. The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Hampton
STREAM NAME: Tabbs Creek - Back River
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-19
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.06 - Sq. Mi.
INITIAL LISTING: 2004
TMDL SCHEDULE: 2016
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.29167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.39167

VDH-DSS shellfish harvesting condemnation # 21D, located in Back River - Tabbs Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions. The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Hampton
STREAM NAME: Inlet #2 - Back River
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-20
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 2004
TMDL SCHEDULE: 2016
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.29167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.39167

VDH-DSS shellfish harvesting condemnation # 21H, located in Back River - Inlet #2.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Hampton, Poquoson, York
STREAM NAME: Back River,Northwest Branch & Brick Kiln Cr
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-21
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.26 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.29167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.39167

VDH-DSS shellfish harvesting condemnation # 21C, located in Back River-Northwest Branch.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Hampton
STREAM NAME: Back River,Southwest Branch & Newmarket Cr
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-22
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.62 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.29167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.10833

LONGITUDE: -76.39167

VDH-DSS shellfish harvesting condemnation # 21E, located in Back River - Southwest Branch.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: York
STREAM NAME: Chisman Creek (Upper)
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-23
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.18 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.13333

LONGITUDE: -76.36250

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.15000

LONGITUDE: -76.45556

VDH-DSS shellfish harvesting condemnation # 137A, located in Chisman Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: York
STREAM NAME: Unnamed Cove
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07E-24
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.05

LATITUDE: 37.13333

LONGITUDE: -76.36250

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.15000

LONGITUDE: -76.45556

VDH-DSS shellfish harvesting condemnation # 137B, located in Poquoson River.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: York
STREAM NAME: Harwoods Mill Reservoir
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C07L-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 300 - Acres
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at northwest end of reservoir.

RIVER MILE: 0.85

LATITUDE: 37.16364

LONGITUDE: -76.47832

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at southeast end of reservoir, Rt 17 crossing.

RIVER MILE: 0.00

LATITUDE: 37.13786

LONGITUDE: -76.45819

Segment begins at northwest end of reservoir and ends at southeast end of reservoir, Rt 17 crossing.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Aquatic Life Use - Not Supporting, Wildlife Use - Not Supporting

IMPAIRMENT CAUSE: Copper, Dissolved Oxygen, Copper

Sufficient exceedances of the standard for dissolved copper (acute criteria) and dissolved oxygen at USGS station in the eastern portion of reservoir (01677850) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report. Sufficient exceedances of the standard for dissolved copper (acute criteria) to assess this segment as not supporting of the Clean Water Act's Wildlife Use Support Goal for the 2004 305(b) report. The cause of the dissolved oxygen standard violation is unknown. The cause of the dissolved copper standard (acute) exceedances is believed due to the addition of copper biocides for algal control.

IMPAIRMENT SOURCE: Cu addition as algaecide, Unknown, Cu addition as algaecide

The source of the acute copper exceedances is suspected to be caused by the addition of copper biocides to prevent excessive growth of algae.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: Thalia Creek
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C08E-03
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.13 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the start estuarine waters of Thalia Creek near I-264.

RIVER MILE: 1.90

LATITUDE: 36.83304

LONGITUDE: -76.12136

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at Rt 58 bridge (at Virginia Beach Boulevard).

RIVER MILE: 0.26

LATITUDE: 36.84900

LONGITUDE: -76.12474

Begins at start estuarine waters of Thalia Cr. extends to Rt 58 (Virginia Beach Blvd) crossing.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting, Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform & Enterococci(2004), Dissolved Oxygen

Sufficient exceedances of Virginia's water quality standard for Fecal Coliform Bacteria (& Enterococci 2004) and Dissolved Oxygen were recorded at DEQ's ambient water quality monitoring station on Thalia Creek (7-THA000.76 & 7-THA001.39) to assess this segment as not supporting of the Clean Water Act's Recreation Use and not supporting of the Clean Water Act's Aquatic Life Use Support Goals for the 2002 305(b) report.

The cause of the Fecal Coliform Bacteria standard violation is the presence of enteric bacteria. The cause of the depressed oxygen levels is unknown.

IMPAIRMENT SOURCE: Unknown, Unknown

The downstream Thalia Creek monitoring station is located at the Route 58 Bridge over Thalia Creek in the City of Virginia Beach. The watershed receives inputs from storm water runoff associated with the surrounding residential /urban area. This watershed is ranked high priority for potential NPS pollution by DCR. The source of the bacteria impairment is suspected to be a combination of inputs from stormwater, non-point, on-site septic systems, and wildlife.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: Western Branch Lynnhaven
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C08E-04
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.15 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at headwaters, confluence with Thurston Branch.

RIVER MILE: 3.08

LATITUDE: 36.85750

LONGITUDE: -76.11970

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends one-half mile downstream of station @ RM 2.13.

RIVER MILE: 2.13

LATITUDE: 36.86930

LONGITUDE: -76.11080

Segment begins at confluence with Thurston Branch and extends one-half mile downstream of station 7-WES002.58.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances of Virginia's water quality standard for Fecal Coliform Bacteria were recorded at DEQ's ambient water quality monitoring station on Western Branch Lynnhaven (7-WES002.58) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2002 305(b) report.

The cause of the Fecal Coliform Bacteria standard violation is the presence of enteric bacteria.

IMPAIRMENT SOURCE: Unknown

The watershed receives inputs from storm water runoff associated with the surrounding residential /urban area. This watershed is ranked high priority for potential NPS pollution by DCR. The source of the bacteria impairment is suspected to be a combination of inputs from stormwater, non-point, on-site septic systems, and wildlife.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: London Bridge Creek & Canal #2
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C08E-05
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.11 - Sq. Mi.
INITIAL LISTING: 1994 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at Bow Cr. Blvd. Bridge.

RIVER MILE: 3.81

LATITUDE: 36.78083

LONGITUDE: -76.08250

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the confluence of Thurston Branch.

RIVER MILE: 0.00

LATITUDE: 36.84127

LONGITUDE: -76.05731

Segment begins at Ships Corner (Bow Cr. Blvd. Bridge) ends at confluence of Thurston Branch. Includes all of Canal #2.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen, Fecal Coliform & Enterococci (2004)

Sufficient exceedances of Virginia's water quality standard for Fecal Coliform & Enterococci(2004) Bacteria and Dissolved Oxygen were recorded at DEQ's ambient water quality monitoring station on London Bridge Creek (7-LOB001.79, 7-LOB003.70 & XBO001.30) to assess this segment as not supporting of the Clean Water Act's Recreation Use and Aquatic Life Use Support Goals for the 2002 305(b) report.

The cause of the Fecal Coliform Bacteria standard violation is the presence of enteric bacteria. The cause of the depressed oxygen levels is unknown.

IMPAIRMENT SOURCE: Unknown, Unknown

The watershed receives inputs from storm water runoff associated with the surrounding residential /urban area. The specific source of the enteric bacteria causing the Fecal Coliform Bacteria standard violations and organic enrichment causing the depressed oxygen levels is currently unknown. This watershed is ranked high priority for potential NPS pollution by DCR. The source of the bacteria impairment is suspected to be a combination of inputs from stormwater, non-point, on-site septic systems, and wildlife.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: Eastern Branch Lynnhaven River
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C08E-06
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.46 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at Rt 58 (Virginia Beach Blvd) crossing.

RIVER MILE: 3.77

LATITUDE: 36.84127

LONGITUDE: -76.05731

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends downstream at area adjacent to Robinhood Forest.

RIVER MILE: 1.84

LATITUDE: 36.86553

LONGITUDE: -76.07018

Segment begins at Rt 58 (Virginia Beach Blvd) crossing and extends downstream to area adjacent to Robinhood Forest.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances of Virginia's water quality standard for Fecal Coliform Bacteria at DEQ's ambient water quality monitoring station (7-EBL002.54) to assess this segment as not supporting of the Clean Water Act's Recreation Use and Aquatic Life Use Support Goals for the 2002 305(b) report. The cause of the Fecal Coliform Bacteria standard violation is the presence of enteric bacteria.

IMPAIRMENT SOURCE: Unknown

The watershed receives inputs from storm water runoff associated with the surrounding residential /urban area. This watershed is ranked high priority for potential NPS pollution by DCR. The source of the bacteria impairment is suspected to be a combination of inputs from stormwater, non-point, on-site septic systems, and wildlife.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: West Neck Creek (Upper) to London Bridge Creek
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C08E-07
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.03 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at Princess Anne Road crossing of west Neck Creek.

RIVER MILE: 10.82

LATITUDE: 36.79381

LONGITUDE: -76.07029

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at junction with London Bridge Creek.

RIVER MILE: 7.65

LATITUDE: 36.75587

LONGITUDE: -76.03996

Segment begins at Princess Anne Road crossing downstream towards Lynnhaven R to junction with London Bridge Creek.. Segment has been determined by USGS to drain to C08E (Lynnhaven River). Moved from K41R (2002) to C08E (2004) per USGS flow study

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting, Aquatic Life Use - Not Supporting

Moved from K41R (2002) to C08E per USGS flow study

IMPAIRMENT CAUSE: Fecal Coliform & Enterococci (2004), Dissolved Oxygen

Sufficient exceedances of Virginia's water quality standard for Dissolved Oxygen recorded @ (5BWNC010.02) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. This is an area of hardwood swamp/wetlands where low dissolved oxygen levels can naturally occur. Sufficient exceedances of standard for Fecal Coliform Bacteria & Enterococci (2004) recorded at the above station to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2002 305(b) report. Cause of the depressed D.O. is unknown, but may be naturally occurring. The cause of the Fecal Coliform bacteria is the presence of enteric bacteria.

IMPAIRMENT SOURCE: Unknown, Unknown

This segment has been determined by USGS flow study to drain north to C08E (Lynnhaven River). Moved from K41R (2002) to C08E (2004) per USGS flow study. The West Neck Creek monitoring station is located at Ships Corner Road Bridge over the creek in the City of Virginia Beach. The watershed receives inputs from storm water runoff associated with the surrounding residential /urban area. The specific source of the impairments is currently unknown.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: Little Creek Channel
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C08E-09
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Segment begins one-tenth mile upstream of monitoring station 7-LCC000.19.

RIVER MILE: 0.29

LATITUDE: 36.92290

LONGITUDE: -76.18800

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the mouth of Little Creek.

RIVER MILE: 0.00

LATITUDE: 36.92100

LONGITUDE: -76.18180

Segment begins one-tenth mile upstream of station near mouth and extends to mouth of Little Creek Channel.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Fish Consumption Use - Not Supporting

IMPAIRMENT CAUSE:

 Fish Tissue - PCBs

Sufficient exceedance of criteria based fish tissue value for PCBs at monitoring station (7-LCC000.19) to assess this segment as not supporting of the Clean Water Act's Fish Consumption Use Support Goal for the 2002 305(b) report.

The cause of the elevated fish tissue levels of PCBs is unknown.

IMPAIRMENT SOURCE:

 Unknown

The watershed receives inputs from storm water runoff associated with the surrounding residential /urban area. This watershed is ranked high priority for potential NPS pollution by DCR. The specific source of the PCBs is currently unknown.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: Dey Cove/Mill Dam Creek
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C08E-10
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.07 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00
LATITUDE: 36.87917 **LONGITUDE:** -75.99167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00
LATITUDE: 36.88333 **LONGITUDE:** -76.12500

VDH-DSS shellfish harvesting condemnation # 25C, located in Lynnhaven, Broad and Linkhorn Bays.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 1998 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: Linkhorn Bay
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C08E-11
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 1.24 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 36.87917

LONGITUDE: -75.99167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 36.88333

LONGITUDE: -76.12500

VDH-DSS shellfish harvesting condemnation # 25D, located in Linkhorn Bay.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: Long Creek/Broad Bay
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C08E-12
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.41 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00
LATITUDE: 36.87917 **LONGITUDE:** -75.99167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00
LATITUDE: 36.88333 **LONGITUDE:** -76.12500

VDH-DSS shellfish harvesting condemnation # 25B, located in Lynnhaven, Broad and Linkhorn Bays.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 1998 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: Lynnhaven River and Bay
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C08E-13
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 4.05 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 36.87917

LONGITUDE: -75.99167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 36.88333

LONGITUDE: -76.12500

VDH-DSS shellfish harvesting condemnation # 25A, located in Lynnhaven Bay.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 1998 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: Lake Smith (Upper)
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C08L-02
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 74 - Acres
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Segment begins one-tenth mile upstream of station 7-LAS000.06 (lake mile 0.16).

RIVER MILE: 2.00

LATITUDE: 36.87220

LONGITUDE: -76.14300

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the lake terminus at mile 0.0.

RIVER MILE: 0.00

LATITUDE: 36.89260

LONGITUDE: -76.16220

Segment begins one-tenth mile upstream of station 7-LAS000.06 and ends at mile 0.00.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen

Sufficient exceedances of Virginia's water quality standard for Dissolved Oxygen recorded at station 7-LAS000.06 to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The cause of the Dissolved Oxygen standard exceedances (low DO) is unknown at this time.

IMPAIRMENT SOURCE: Unknown

The watershed receives inputs from storm water runoff associated with the surrounding residential /urban area. This watershed is ranked high priority for potential NPS pollution by DCR.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Norfolk
STREAM NAME: Little Creek Reservoir
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-C08L-05
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 57 - Acres
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Segment begins upstream one-tenth mile from station @ LAW001.00.

RIVER MILE: 1.10

LATITUDE: 36.90980

LONGITUDE: -76.19940

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends downstream one-tenth mile from station @ LAW001.00.

RIVER MILE: 0.90

LATITUDE: 36.91060

LONGITUDE: -76.19650

Segment begins one-tenth mile upstream of mile 1.0 and ends at mile 0.9.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: pH

Sufficient exceedances of Virginia's water quality standard for pH was recorded at DEQ's lake water quality monitoring station on Little creek Reservoir (7-LTR000.04) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The cause of the pH standard violation is unknown at this time, but may be due to algal blooms as evidenced by the high pH measurements.

IMPAIRMENT SOURCE: Unknown

The watershed receives inputs from storm water runoff associated with the surrounding residential /urban area. This watershed is ranked high priority for potential NPS pollution by DCR.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Bulbeggan Creek
HYDROLOGIC UNIT: 02060009
TMDL ID: VAT-C09E-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.08 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at headwaters of Bulbeggan Creek
RIVER MILE: 6.34
LATITUDE: 37.97143 **LONGITUDE:** 75.59154

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at confluence of UT at RM 2.39.
RIVER MILE: 2.39
LATITUDE: 37.96278 **LONGITUDE:** 75.62921

Segment begins at headwaters of Bulbeggan Creek and ends at confluence of UT at RM 2.39.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen, Fecal Coliform

Sufficient exceedances of Virginia's water quality standard for Fecal Coliform Bacteria and Dissolved Oxygen were recorded at DEQ's ambient water quality monitoring station @ Rt 701 crossing (7-BLB004.63) to assess this segment as not supporting of the Clean Water Act's Recreation Use and Aquatic Life Use Support Goals for the 2004 305(b) report.

The cause of the Fecal Coliform Bacteria standard violation is the presence of enteric bacteria. The cause of the depressed oxygen levels is unknown.

IMPAIRMENT SOURCE: Unknown, Unknown

The watershed receives inputs from storm water runoff, adjacent wetlands, and on-site sewage systems. The specific source of the enteric bacteria causing the Fecal Coliform Bacteria standard violations and organic enrichment causing the depressed oxygen levels is currently unknown.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Pocomoke Sound and Pocomoke River
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C09E-10
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 2.17 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.95000

LONGITUDE: -75.68333

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.99167

LONGITUDE: -75.62500

VDH-DSS shellfish harvesting condemnation # 33, located in Pocomoke Sound and Pocomoke River.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Pitts Creek unnamed tributary
HYDROLOGIC UNIT: 02060009
TMDL ID: VAT-C09R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 5.96 - Miles
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the most upstream point east of New Church

RIVER MILE: 5.96

LATITUDE: 37.99269

LONGITUDE: -75.58622

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the confluence with Pitts Creek

RIVER MILE: 0.00

LATITUDE: 37.97531

LONGITUDE: -75.50489

Segment begins at most upstream point east of New Church and ends at the confluence with Pitts Creek

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen, Fecal Coliform

Sufficient exceedances of Virginia's water quality standard for Dissolved Oxygen recorded at DEQ's ambient water quality monitoring station on Unnamed tributary to Pitts Creek (7-XAE001.42) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 1998 305(b) report. The cause of the standard exceedances is unknown at this time. Sufficient exceedances of Virginia's water quality standard for Fecal Coliform Bacteria to assess this segment as not supporting of the Clean Water Act's Recreation Use for the 2004 305(b) report.

IMPAIRMENT SOURCE: Unknown, Unknown

The specific source of the impairments is currently unknown.

This tributary receives diffuse inputs. On-site sewage treatment system leachate from residences bordering the creek is a potential source, as well as storm water runoff. There is a no-discharge VPA (VPA1070) permitted facility located adjacent to a connecting tributary. Prior to 8/99 (discharged terminated) this facility discharged effluent into the connecting tributary. Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Holdens Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C10E-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 1996 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the confluence of Sandy Bottom Branch

RIVER MILE: 4.30

LATITUDE: 37.91667

LONGITUDE: -75.58333

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends one half mile downstream Jenkins Br

RIVER MILE: 2.20

LATITUDE: 37.91667

LONGITUDE: -75.61667

Segment begins at confluence Sandy Bottom Branch to 0.5 mile downstream Jenkins bridge.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances of Virginia's water quality standard for Fecal Coliform Bacteria were recorded at DEQ's ambient water quality monitoring station on Holdens Creek (7-HLD002.67) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 1998 305(b) report.

The cause of the Fecal Coliform Bacteria standard violation is the presence of enteric bacteria.

IMPAIRMENT SOURCE: Unknown

The Holdens Creek monitoring station is located at the Jenkins Bridge over Holdens Creek. On-site sewage treatment system leachate from residences bordering the creek is a potential source. The watershed receives inputs from storm water runoff associated with the surrounding residential /agricultural area. The specific source of the enteric bacteria causing the Fecal Coliform Bacteria standard violations is currently unknown.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Muddy Creek (Lower)
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C10E-02
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.04 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at start of estuarine portion of Muddy Creek

RIVER MILE: 3.63

LATITUDE: 37.84735

LONGITUDE: -75.63617

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at downstream expansion of creek (RM 1.85).

RIVER MILE: 1.85

LATITUDE: 37.85768

LONGITUDE: -75.65435

Segment begins at start of estuarine portion of Muddy Creek and ends at downstream expansion of creek (RM 1.85).

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances of Virginia's water quality standard for Fecal Coliform Bacteria were recorded at DEQ's ambient water quality monitoring station (7-MUD002.29) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report.

The cause of the Fecal Coliform Bacteria standard violation is the presence of enteric bacteria.

IMPAIRMENT SOURCE: Unknown

The monitoring station is located at the end of Rt 685 adjacent to Muddy Creek. On-site sewage treatment system leachate from residences bordering the creek and wildlife are potential sources. The watershed receives inputs from storm water runoff associated with the surrounding wetlands /agricultural area. The specific source of the enteric bacteria causing the Fecal Coliform Bacteria standard violations is currently unknown.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Messongo Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C10E-05
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins upstream 0.50 mi. from station 7-MES006.92.

RIVER MILE: 7.42

LATITUDE: 37.88140

LONGITUDE: -75.61520

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends downstream 0.5 mi. from Rt. 692 crossing.

RIVER MILE: 6.42

LATITUDE: 37.88410

LONGITUDE: -75.62280

Segment extends one half mile up and down stream of Rt. 692 crossing.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen, Fecal Coliform

Sufficient exceedances of Virginia's water quality standard for Dissolved Oxygen and Fecal Coliform bacteria were recorded at DEQ's ambient water quality monitoring station on Messongo Cr. (7-MES006.92) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal and not supporting of the Clean Water Act's Recreation Use Support Goal for the 2002 305(b) report. The cause of the standards exceedances is unknown.

IMPAIRMENT SOURCE: Unknown, Unknown

The source of the impairment is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Bagwell Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C10E-10
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.06 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.80020

LONGITUDE: -75.69270

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.79680

LONGITUDE: -75.71370

VDH-DSS shellfish harvesting condemnation # 138C, located in Hunting, Doe, Bagwell and Deep Cree

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Deep Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C10E-11
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.16 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.72360

LONGITUDE: -75.69480

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.78940

LONGITUDE: -75.74920

VDH-DSS shellfish harvesting condemnation # 138A, located in Hunting, Doe, Bagwell and Deep Creeks

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Guilford Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C10E-12
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.08 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.84167

LONGITUDE: -75.68333

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.81667

LONGITUDE: -75.63333

VDH-DSS shellfish harvesting condemnation # 176B, located in Beasley Bay:Young and Guilford Cr

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Starling Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C10E-13
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.08 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.91667

LONGITUDE: -75.73333

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.91250

LONGITUDE: -75.73333

VDH-DSS shellfish harvesting condemnation # 118, located in Starling Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Tangier Island
HYDROLOGIC UNIT: 02080101
TMDL ID: VAT-C10E-14
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.82 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.83389

LONGITUDE: -76.01722

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.81917

LONGITUDE: -76.01722

VDH-DSS shellfish harvesting condemnation number 86, located around Tangier Island.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Young Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C10E-15
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.03 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.84167

LONGITUDE: -75.68333

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.81667

LONGITUDE: -75.63333

VDH-DSS shellfish harvesting condemnation # 176C, located in Beasley Bay:Young and Guilford Cr

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Muddy Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C10E-16
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.13 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.00

LATITUDE: 37.84167

LONGITUDE: -75.68333

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.81667

LONGITUDE: -75.63333

VDH-DSS shellfish harvesting condemnation # 176A, Muddy Crs

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Messongo Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C10E-17
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.23 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.90000

LONGITUDE: -75.66667

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.95833

LONGITUDE: -75.62500

VDH-DSS shellfish harvesting condemnation # 167, located in Messongo Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Hunting Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C10E-18
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.16 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.77420

LONGITUDE: -75.69000

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.79270

LONGITUDE: -75.71460

VDH-DSS shellfish harvesting condemnation # 138B, located in Hunting, Doe, Bagwell and Deep Cree

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Sandy Bottom Branch unnamed tributary
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C10R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 1.65 - Miles
INITIAL LISTING: 1996 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the headwaters of unnamed tributary

RIVER MILE: 1.65

LATITUDE: 37.90073

LONGITUDE: -75.57131

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the confluence with Sandy Bottom Br.

RIVER MILE: 0.00

LATITUDE: 37.90313

LONGITUDE: -75.58453

Begins at headwaters of this unnamed tributary downstream to confluence Sandy Bottom Branch.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE: General Standard (Benthic), Fecal Coliform

Biological monitoring at station 7-XAZ000.30 (located at the Route 693 culvert) indicated the stream's benthic community was moderately impaired. As a result, DEQ's General Standard (VR680-21-01.2) was not met for the protection of benthic aquatic life and this segment was assessed as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report. Although six sample events during this data period indicate a reduction in bacteria levels, a previous assessment (indicating elevated levels of Fecal Coliform Bacteria for the 1996 report) is retained resulting in assessment of not supporting of the Clean Water Act's Recreation Use. Assessment is retained until sufficient data for re-evaluation is acquired.

The specific cause of the impairments is currently considered unknown.

IMPAIRMENT SOURCE: Unknown & Point Source, Unknown

The specific source of the impairment is currently unknown.

This tributary contributes significant flow to the downstream impaired segment on Sandy Bottom Branch. On-site sewage treatment system leachate from residences bordering the creek is a potential source. The segment receives flow in the headwaters area from effluent discharged by the Tyson Foods VPDES (VA0004049) discharge. Stream flow is predominately composed of treated effluent from the Tyson Foods VPDES (VA0004049) permitted discharge at the headwaters of the tributary. The facility has completed a toxicity reduction evaluation and is meeting limitations for whole effluent toxicity.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Sandy Bottom Branch
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C10R-02
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 1.24 - Miles
INITIAL LISTING: 1996
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the headwaters of Sandy Bottom Branch

RIVER MILE: 1.24

LATITUDE: 37.90313

LONGITUDE: -75.58453

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the confluence with Holdens Creek

RIVER MILE: 0.00

LATITUDE: 37.91472

LONGITUDE: -75.59263

Begins at the headwaters of Sandy Bottom Branch and extends to its confluence with Holdens Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting, Wildlife Use - Not Supporting

IMPAIRMENT CAUSE: Copper, General Standard (Benthic), Fecal Coliform, Copper

Biological monitoring at station 7-SBB000.17 (located at the Route 695 Bridge over Sandy Bottom Branch) indicated the stream's benthic community was moderately impaired for the 2002 report (slightly impaired in 2004). As a result, DEQ's General Standard (VR680-21-01.2) was not met for the protection of benthic aquatic life and this segment was assessed as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. Dissolved metals monitoring at the above station resulted in exceedances of the acute criteria for copper (4/7) within a three year period. As a result, this segment was assessed as not-supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 & 2004 305(b) reports and not-supporting of the Clean Water Act's Wildlife Use Support Goal for the 2004 305(b) report. Sufficient exceedances of Virginia's standard for Fecal Coliform Bacteria were recorded at the above station to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report. The specific cause of the impairments is currently considered unknown.

IMPAIRMENT SOURCE: Unknown & Point Source, Unknown, Unknown, Unknown & Point Source

The segment receives flow from upstream effluent discharged by the Tyson Foods discharge. Stream flow is influenced by treated effluent from the Tyson Foods VPDES (VA0004049) permitted discharge at the headwaters of an upstream tributary. The facility has complied with its permit. The facility has completed a toxicity reduction evaluation and is meeting limitations for whole effluent toxicity. The facility's VPDES permit received an effluent limitation for copper in December 1999. The specific source of the benthic impairment and copper standard exceedance is currently unknown. On-site sewage treatment system leachate from residences bordering the creek is a potential source of bacteria. The specific source of the Fecal Coliform bacteria impairment is currently considered unknown.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Onancock Creek, North Br.
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C11E-04
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.03 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the end of tidal influence
RIVER MILE: 0.93
LATITUDE: 37.71730 **LONGITUDE:** -75.74237

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the confluence with the mainstem Onancock Creek.
RIVER MILE: 0.00
LATITUDE: 37.71233 **LONGITUDE:** -75.75658

Segment begins at the end of tidal influence (upstream of Rt 658) and extends downstream to the confluence with mainstem Onancock Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting, Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform, Dissolved Oxygen

Sufficient exceedances of Virginia's water quality standards for Dissolved Oxygen (DO) and Fecal Coliform Bacteria (FC) were recorded at DEQ's ambient water quality monitoring station on North Branch Onancock Cr. (7-ONB000.20, 7-ONB000.56) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal and not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report. Data for DO during the 2004 period shows minimal exceedances (1/24), at the downstream station (7-ONB000.20). This portion will be retained until absence of impairment is confirmed. The cause of the DO and FC impairments is unknown.

IMPAIRMENT SOURCE: Unknown, Unknown

The two North Branch Onancock Creek monitoring stations indicating exceedances are located two-tenths of a mile from the mouth of the creek (7-ONB000.20) and at the Route 658 bridge (7-ONB000.56). The land use in the watershed is mixed agricultural, forested, and residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff. A marina is located at the mouth of the creek. The Onancock STP discharge is located between the monitoring stations. The facility has been in compliance with its effluent limitations. The specific source of the elevated Fecal Coliform Bacteria levels and depressed oxygen concentration is currently unknown.

Additional monitoring is necessary to confirm impairment and determine whether it is not naturally occurring.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Onancock Creek, Central Br.
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C11E-05
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.02 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins one-half mile upstream of the mouth
RIVER MILE: 0.60
LATITUDE: 37.70522 **LONGITUDE:** -75.74576

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the confluence with the mainstem of Onancock Creek
RIVER MILE: 0.00
LATITUDE: 37.71144 **LONGITUDE:** -75.75606

Segment begins 0.5 mi. upstream of the mouth and extends to the confluence with mainstem.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances of Virginia's water quality standard Fecal Coliform Bacteria was recorded at DEQ's ambient water quality monitoring station on Central Branch Onancock Cr. (7-OCB000.10) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2002 & 2004 305(b) reports. The cause of the Fecal Coliform Bacteria standard violation is unknown.

IMPAIRMENT SOURCE: Unknown

The Central Branch Onancock Creek monitoring stations is located one-tenth of a mile from the mouth of the creek (7-OCB000.10), in the Town of Onancock area of Accomack Co. The land use in the watershed is mixed agricultural, forested, and residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff associated with the surrounding forested/agricultural/residential area. A marina is located at the mouth of the creek. The specific source of the enteric bacteria causing the elevated Fecal Coliform bacteria levels is currently unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Onancock Creek, Southern Br.
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C11E-06
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.04 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins one-half mile upstream of the mouth
RIVER MILE: 0.60
LATITUDE: 37.69961 **LONGITUDE:** -75.75084

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the confluence with mainstem Onancock
RIVER MILE: 0.00
LATITUDE: 37.70926 **LONGITUDE:** -75.75852

Segment begins 0.5 mi. upstream of the mouth and extends to the confluence with mainstem.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances of Virginia's water quality standard Fecal Coliform Bacteria was recorded at DEQ's ambient water quality monitoring station on Southern Branch Onancock Cr. (7-OSB000.13) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The cause of the standard violation is unknown.

IMPAIRMENT SOURCE: Unknown

The Southern Branch Onancock Creek monitoring stations is located one-tenth of a mile from the mouth of the creek (7-OSB000.13), in the Town of Onancock area of Accomack Co. The land use in the watershed is mixed agricultural, forested, and residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff associated with the surrounding forested/agricultural/residential area. The specific source of the enteric bacteria causing the elevated Fecal Coliform Bacteria levels is currently unknown.

Additional monitoring is necessary to determine whether the source is naturally occurring.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Onancock Creek, Upper Mainstem
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C11E-07
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.24 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the confluence of the three branches.
RIVER MILE: 5.09
LATITUDE: 37.71144 **LONGITUDE:** -75.75606

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the confluence of Leatherberry Creek.
RIVER MILE: 4.28
LATITUDE: 37.71065 **LONGITUDE:** -75.77083

Segment begins at the confluence of the three branches and ends at confluence of Leatherberry Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances of Virginia's water quality standard Fecal Coliform Bacteria was recorded at DEQ's ambient water quality monitoring station on upper mainstem Onancock Cr. (7-OCN004.56) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report. The cause of the elevated bacteria levels is unknown.

IMPAIRMENT SOURCE: Unknown

The upper mainstem Onancock Creek monitoring stations is located upstream of Leatherberry Creek (7-OCN004.56) The land use in the watershed is mixed agricultural, forested, and residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff. The specific source of the enteric bacteria causing the elevated Fecal Coliform Bacteria levels is currently unknown.

Additional monitoring is necessary to determine whether the source is naturally occurring.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Chesconessex Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C11E-11
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.08 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.50

LATITUDE: 37.74583

LONGITUDE: -75.77500

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.73333

LONGITUDE: -75.75000

VDH-DSS shellfish harvesting condemnation # 112, Chesconessex Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Finneys Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C11E-12
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.05 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.25

LATITUDE: 37.70590

LONGITUDE: -75.80270

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.72050

LONGITUDE: -75.80700

VDH-DSS shellfish harvesting condemnation # 13A, Onancock Creek-Finneys Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Cedar Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C11E-13
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.06 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.35

LATITUDE: 37.72460

LONGITUDE: -75.76880

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.71780

LONGITUDE: -75.77960

VDH-DSS shellfish harvesting condemnation # 13B, Onancock Creek-Cedar Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Onancock Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C11E-14
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.36 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 10.00

LATITUDE: 37.71080

LONGITUDE: -75.75550

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 2.00

LATITUDE: 37.72110

LONGITUDE: -75.82900

VDH-DSS shellfish harvesting condemnation # 13C, Onancock Creek-Onancock Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Pungoteague Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C12E-10
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.34 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 2.27

LATITUDE: 37.66667

LONGITUDE: -75.78750

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.66667

LONGITUDE: -75.83333

VDH-DSS shellfish harvesting condemnation # 119B, located in Pungoteague Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Taylor Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C12E-11
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.17 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.52

LATITUDE: 37.66667

LONGITUDE: -75.78750

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.66667

LONGITUDE: -75.83333

VDH-DSS shellfish harvesting condemnation # 119C & D, located in Taylor Creek & Underhill Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Taylor Creek tributary to Pungoteague Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C12R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.71 - Miles
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at confluence of UT downstream of Rt 180.

RIVER MILE: 3.79

LATITUDE: 37.62542

LONGITUDE: -75.80519

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at start of tidal waters downstream of station.

RIVER MILE: 3.08

LATITUDE: 37.63459

LONGITUDE: -75.80839

Segment begins at confluence of UT downstream of Rt 180 and ends at start of tidal waters downstream of station.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: General Standard (Benthic)

Biological monitoring at station 7-TAY003.11 (located at the Rt 178 crossing) indicates the stream's benthic community was moderately impaired for the 2004 report. As a result, DEQ's General Standard (VR680-21-01.2) was not met for the protection of benthic aquatic life and this segment is assessed as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report. The specific cause of the impairment is currently considered unknown.

IMPAIRMENT SOURCE: Unknown

The land use in the watershed is mixed agricultural, forested, and residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff. The specific source of the impairment is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Nassawadox Creek (Lower)
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C13E-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 1.2 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016
UPSTREAM LIMIT:

DESCRIPTION: Segment begins at confluence of Warehouse Creek.

RIVER MILE: 2.30

LATITUDE: 37.48553

LONGITUDE: -75.92743

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at confluence of Church Creek.

RIVER MILE: 1.10

LATITUDE: 37.47475

LONGITUDE: -75.94312

Segment begins at confluence of Warehouse Creek and ends at confluence of Church Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances of Virginia's water quality standards for Fecal Coliform Bacteria were recorded at DEQ's ambient water quality monitoring station on Nassawadox Cr. (7-NSS001.62, located near Bayford) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report. The cause of the standard violation is unknown.

IMPAIRMENT SOURCE: Unknown

The land use in the watershed is mixed agricultural, forested, and residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff. The source of the Fecal Coliform bacteria impairment is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Church Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C13E-11
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.2 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.90

LATITUDE: 37.45833

LONGITUDE: -75.91667

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.45833

LONGITUDE: -75.90000

VDH-DSS shellfish harvesting condemnation # 185, located in Church Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Craddock Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C13E-12
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.08 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.57

LATITUDE: 37.56667

LONGITUDE: -75.87917

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 38.05000

LONGITUDE: -75.90833

VDH-DSS shellfish harvesting condemnation # 195, located in Craddock Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Holly Grove Cove
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C13E-13
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.14 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.14

LATITUDE: 37.49583

LONGITUDE: -75.88333

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.53333

LONGITUDE: -75.87917

VDH-DSS shellfish harvesting condemnation # 110B, Nassawadox Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 1998 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Nassawadox Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C13E-14
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.38 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION: Segment begins at end of tidal waters.

RIVER MILE: 1.7

LATITUDE: 37.49583

LONGITUDE: -75.88333

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at confluence with Kelly Cove.

RIVER MILE: 0.00

LATITUDE: 37.53333

LONGITUDE: -75.87917

VDH-DSS shellfish harvesting condemnation # 110A, Nassawadox Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 1998 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack, Northampton
STREAM NAME: Occohannock Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C13E-15
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.46 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 2.8

LATITUDE: 37.55000

LONGITUDE: -75.85833

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.56667

LONGITUDE: -75.80833

VDH-DSS shellfish harvesting condemnation #43, located in Occohannock Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 1998 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Warehouse Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C13E-16
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.12 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 2.00

LATITUDE: 37.47917

LONGITUDE: -75.91667

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.47083

LONGITUDE: -75.88333

VDH-DSS shellfish harvesting condemnation #48, located in Warehouse Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Kusian Cove
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C13E-17
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.03 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.10

LATITUDE: 37.63340

LONGITUDE: -75.82980

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.63080

LONGITUDE: -75.84730

VDH-DSS shellfish harvesting condemnation # 160B,Nandua Creek:Kusian Cv

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: McLean Gut
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C13E-18
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.03 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.76

LATITUDE: 37.63333

LONGITUDE: -75.82500

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.61667

LONGITUDE: -75.87083

VDH-DSS shellfish harvesting condemnation # 160C, located in Nandua Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Nandua Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C13E-19
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.09 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.61
LATITUDE: 37.63333 **LONGITUDE:** -75.82500

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00
LATITUDE: 37.61667 **LONGITUDE:** -75.87083

VDH-DSS shellfish harvesting condemnation # 160A, located in Nandua Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins

CITY/COUNTY: Northampton

STREAM NAME: Hungar Creek

HYDROLOGIC UNIT: 02080109

TMDL ID: VAT-C14E-01

ASSESSMENT CATEGORY: 5A

SEGMENT SIZE: 0.1 - Sq. Mi.

INITIAL LISTING: 1998

TMDL SCHEDULE: 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at end of tidal waters, upstream 0.50 mi. from station 7-HUG004.40 at the Rt. 622 cross

RIVER MILE: 5.29

LATITUDE: 37.44370

LONGITUDE: -75.92080

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the downstream peninsula opposite Waterford Point.

RIVER MILE: 3.90

LATITUDE: 37.44180

LONGITUDE: -75.92920

Segment begins at end of tidal waters, upstream 0.50 mi. from station 7-HUG004.40 at the Rt. 622 crossing and ends at the peninsula opposite Waterford Point.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE:

 Dissolved Oxygen, Fecal Coliform

Sufficient exceedances of Virginia's water quality standards for Dissolved Oxygen and Fecal Coliform Bacteria were recorded at DEQ's ambient water quality monitoring station on Hungars Cr. (7-HUG004.40) to assess this segment as not supporting of the Clean Water Act's Aquatic Life & Recreation Use Support Goals for the 2002 305(b) report. The cause of the standard exceedances is unknown.

IMPAIRMENT SOURCE:

 Unknown, Unknown

The land use in the watershed is mixed agricultural, forested, and residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff. The source of the dissolved oxygen and Fecal Coliform bacteria impairments is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Barlow Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C14E-10
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.03 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.8

LATITUDE: 37.38333

LONGITUDE: -75.97500

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.37917

LONGITUDE: -75.96250

VDH-DSS shellfish harvesting condemnation # 191, located in Barlow Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Hungar Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C14E-11
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.1 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 5.29

LATITUDE: 37.42500

LONGITUDE: -75.95000

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 3.90

LATITUDE: 37.43333

LONGITUDE: -75.91667

VDH-DSS shellfish harvesting condemnation # 136C, Hungar, Jacobus and Mattawoman Cree

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Jacobus Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C14E-12
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.13 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.52
LATITUDE: 37.42500 **LONGITUDE:** -75.95000

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00
LATITUDE: 37.43333 **LONGITUDE:** -75.91667

VDH-DSS shellfish harvesting condemnation # 136B, located in Hungar, Jacobus and Mattawoman Cree

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Mattawoman Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C14E-13
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.16 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.14

LATITUDE: 37.42500

LONGITUDE: -75.95000

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.43333

LONGITUDE: -75.91667

VDH-DSS shellfish harvesting condemnation # 136A, Hungar, Jacobus and Mattawoman Cree

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: The Gulf
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C14E-14
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.21 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.9

LATITUDE: 37.37083

LONGITUDE: -75.97917

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.45

LATITUDE: 37.36667

LONGITUDE: -75.95417

VDH-DSS shellfish harvesting condemnation # 174, located in The Gulf.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Westerhouse Creek - Part A
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C14E-15
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.02 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.28

LATITUDE: 37.44167

LONGITUDE: -75.96250

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.43333

LONGITUDE: -75.95417

VDH-DSS shellfish harvesting condemnation # 199A, located in Westerhouse Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Westerhouse Creek - Part B
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C14E-16
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.04 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.57

LATITUDE: 37.44167

LONGITUDE: -75.96250

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.43333

LONGITUDE: -75.95417

VDH-DSS shellfish harvesting condemnation # 199B, located in Westerhouse Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Cherrystone Inlet: Kings Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C15E-10
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.08 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.8

LATITUDE: 37.27500

LONGITUDE: -76.00278

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.27500

LONGITUDE: -75.97917

VDH-DSS shellfish harvesting condemnation # 139, Cherrystone Inlet: Kings Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Cape Charles Harbor (Upper)
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C16E-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.02 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at most upstream end of harbor (northwest branch of harbor).

RIVER MILE: 0.23

LATITUDE: 37.26503

LONGITUDE: -76.01505

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends 0.23 mi. downstream from monitoring station (located at boat ramp at upstream northwest branch of harbor).

RIVER MILE: 0.00

LATITUDE: 37.26430

LONGITUDE: -76.02055

Segment begins at most upstream end of harbor (northwest branch of harbor) and ends 0.23 mi. downstream from monitoring station (located at boat ramp at upstream northwest branch of harbor).

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Enterococci

Sufficient exceedances (2/3) of Virginia's water quality standard for Enterococci bacteria were recorded at DEQ's ambient water quality monitoring station at the boat ramp in Cape Charles Harbor (7-CCH000.43) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goals for the 2004 305(b) report. The cause of the standard violation is unknown.

IMPAIRMENT SOURCE: Unknown

The monitoring station is located at the most upstream end of Cape Charles Harbor, within the north west branch at the boat ramp. The surrounding area is mixed urban and industrial. Potential sources are storm water runoff and VPDES point source effluent (the Cape Charles STP (VA0021288) outfall is located in the adjacent branch). The specific source of the Enterococci bacteria impairment is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Old Plantation Creek
HYDROLOGIC UNIT: 02080109
TMDL ID: VAT-C16E-10
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.09 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 3.3

LATITUDE: 37.25833

LONGITUDE: -75.98750

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 2.00

LATITUDE: 37.27083

LONGITUDE: -75.97500

VDH-DSS shellfish harvesting condemnation # 152, located in Old Plantation Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Swans Gut Creek
HYDROLOGIC UNIT: 02060010
TMDL ID: VAT-D01E-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.14 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016
UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the Virginia/ Maryland state line.

RIVER MILE: 3.30

LATITUDE: 38.00908

LONGITUDE: -75.44959

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the mouth of the creek (confluence with Chincoteague Bay).

RIVER MILE: 0.00

LATITUDE: 37.98647

LONGITUDE: -75.42675

Segment begins at the Virginia/ Maryland state line and ends at the mouth of the creek (confluence with Chincoteague Bay).

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen

Sufficient exceedances of Virginia's water quality standards for Dissolved Oxygen (2/9) was recorded at DEQ's ambient water quality monitoring station on Swans Gut Cr. (7-SGT002.46) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report. The cause of the low dissolved oxygen standard violation is unknown.

IMPAIRMENT SOURCE: Unknown

The Swans Gut Creek monitoring station (7-SGT002.46) is located at the Rt 679 crossing. The land use in the watershed is mixed agricultural, forested, wetlands, and residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff associated with the surrounding area. The specific source of the impairments is currently unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Little Mosquito Creek
HYDROLOGIC UNIT: 02060010
TMDL ID: VAT-D01E-02
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.04 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the UT confluence 0.75 mi. upstream of station.

RIVER MILE: 1.55

LATITUDE: 37.95146

LONGITUDE: -75.46203

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the mouth of the creek (confluence with Mosquito Creek).

RIVER MILE: 0.00

LATITUDE: 37.94570

LONGITUDE: -75.43983

Segment begins at the UT confluence 0.75 mi. upstream of station and ends at the mouth of the creek (confluence with Mosquito Creek).

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen, Fecal Coliform

Sufficient exceedances of Virginia's water quality standards for Dissolved Oxygen (3/29) was recorded at DEQ's ambient water quality monitoring station on Little Mosquito Cr. (7-LTM000.80) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report. The cause of the low dissolved oxygen standard violation is unknown. Sufficient exceedances for Fecal Coliform Bacteria (4/29) recorded at the above station to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report.

The cause of the elevated Fecal Coliform Bacteria levels is currently unknown.

IMPAIRMENT SOURCE: Unknown, Unknown

The Little Mosquito Creek monitoring station (7-LTM000.80) is located northwest of the NASA Flight Facility's main runway. The land use in the watershed is mixed agricultural, forested, wetlands, and federal facility use (NASA Wallops Flight Facility). The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff associated with the surrounding area. The specific source of the impairments is currently unknown.

Additional monitoring is necessary to confirm the spatial extent of the impairment.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Black Point Drain
HYDROLOGIC UNIT: 02060010
TMDL ID: VAT-D01E-12
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.05 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.2

LATITUDE: 37.91210

LONGITUDE: -75.38150

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.89460

LONGITUDE: -75.39710

VDH-DSS shellfish harvesting condemnation #20C - Chincoteague Island - Adjacent Areas

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Greenbackville Harbor
HYDROLOGIC UNIT: 02060010
TMDL ID: VAT-D01E-13
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.02 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.3

LATITUDE: 38.00556

LONGITUDE: -75.38889

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 38.00972

LONGITUDE: -75.38889

VDH-DSS shellfish harvesting condemnation # 153, located in Greenbackville Harbor.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Mosquito & Little Mosquito Creek
HYDROLOGIC UNIT: 02060010
TMDL ID: VAT-D01E-14
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.11 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 3.8
LATITUDE: 37.94583 **LONGITUDE:** -75.44167

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00
LATITUDE: 37.94583 **LONGITUDE:** -75.49167

VDH-DSS shellfish harvesting condemnation # 32, located in Mosquito & Little Mosquito Creeks.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 1998 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Swans Gut Creek
HYDROLOGIC UNIT: 02060010
TMDL ID: VAT-D01E-15
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.14 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 2.5

LATITUDE: 37.98333

LONGITUDE: -75.43333

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 38.01250

LONGITUDE: -75.45000

VDH-DSS shellfish harvesting condemnation number 97, located in Swans Gut Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Jennys Gut
HYDROLOGIC UNIT: 02060010
TMDL ID: VAT-D01E-16
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.25
LATITUDE: 37.93800 **LONGITUDE:** -75.44570

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00
LATITUDE: 37.93100 **LONGITUDE:** -75.45650

VDH-DSS shellfish harvesting condemnation #209, Jennys Gut

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Drainage ditch
HYDROLOGIC UNIT: 02060010
TMDL ID: VAT-D01E-17
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.3

LATITUDE: 37.89940

LONGITUDE: -75.37910

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.88210

LONGITUDE: -75.41250

VDH-DSS shellfish harvesting condemnation #20E - Chincoteague Island - Adjacent Areas

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Chincoteague Channel/Fowling Gut
HYDROLOGIC UNIT: 02060010
TMDL ID: VAT-D01E-18
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.58 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.10

LATITUDE: 37.93920

LONGITUDE: -75.37700

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.89760

LONGITUDE: -75.42460

VDH-DSS shellfish harvesting condemnation #20A - Chincoteague Island - Adjacent Areas

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Toms Cove Boat Basin
HYDROLOGIC UNIT: 02060010
TMDL ID: VAT-D01E-19
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.001 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.25

LATITUDE: 37.87660

LONGITUDE: -75.35310

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.88490

LONGITUDE: -75.38850

VDH-DSS shellfish harvesting condemnation #20D - Chincoteague Island - Adjacent Areas

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Andrews Landing Gut
HYDROLOGIC UNIT: 02060010
TMDL ID: VAT-D01E-20
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.03 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.23

LATITUDE: 37.90160

LONGITUDE: -75.42050

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.88540

LONGITUDE: -75.46290

VDH-DSS shellfish harvesting condemnation #20B - Chincoteague Island - Adjacent Areas

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Assateague Channel/Sheepshead Creek
HYDROLOGIC UNIT: 02060010
TMDL ID: VAT-D01E-21
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.23 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.15

LATITUDE: 37.97910

LONGITUDE: -75.30730

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.89940

LONGITUDE: -75.37910

VDH-DSS shellfish harvesting condemnation #20-F, Chincoteague Island - Adjacent Areas

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Assawoman Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D02E-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.09 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the confluence of Petit Branch
RIVER MILE: 4.22
LATITUDE: 37.85181 **LONGITUDE:** -75.53173

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the mouth of the creek (confluence with Womans Bay).
RIVER MILE: 2.38
LATITUDE: 37.83756 **LONGITUDE:** -75.50988

Segment begins at the confluence of Petit Branch and ends at the mouth of the creek (confluence with Womans Bay).

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen, Fecal Coliform

Sufficient exceedances of Virginia's water quality standards for Dissolved Oxygen (4/29) was recorded at DEQ's ambient water quality monitoring station on Assawoman Cr. (7-ASW003.36) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The cause of the standard violation is unknown. There are sufficient exceedances for Fecal Coliform Bacteria (4/29) recorded on Assawoman Cr. (7-ASW003.36) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2002 305(b) report. The cause of the elevated Fecal Coliform Bacteria levels is currently unknown.

IMPAIRMENT SOURCE: Unknown, Unknown

The Assawoman Creek monitoring station (7-ASW003.36) is located in Accomack County. The land use in the watershed is mixed agricultural , forested, and residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff associated with the surrounding forested/agricultural/residential area. The specific source of the impairment is currently unknown.

Additional monitoring is necessary to confirm the spatial extent of the impairment.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Assawoman Creek
HYDROLOGIC UNIT: 02060010
TMDL ID: VAT-D02E-10
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.15 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 5.1

LATITUDE: 37.83611

LONGITUDE: -75.48889

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.86528

LONGITUDE: -75.53611

VDH-DSS shellfish harvesting condemnation # 135, located in Assawoman Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Petit Branch
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D02R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 1.9 - Miles
INITIAL LISTING: 1996
TMDL SCHEDULE: 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the headwaters, 1.1 mile upstream Route 679 Bridge.

RIVER MILE: 1.90

LATITUDE: 37.85250

LONGITUDE: -75.55994

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the start of tidal waters.

RIVER MILE: 0.00

LATITUDE: 37.85121

LONGITUDE: -75.53880

Segment begins at headwaters, 1.1 mile upstream Route 679 Bridge and ends at the start of tidal waters.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting, Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform, General Standard (Benthic)

Sufficient exceedances of the Fecal Coliform bacteria standard recorded at station on Petit Br. (7-PET000.80, Rt 679 crossing) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2002 305(b) report. The cause of the Fecal Coliform Bacteria standard violation is the presence of enteric bacteria. Biological monitoring at the above station indicates the stream's benthic community is moderately impacted. This segment is assessed as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. Current information suggests the benthic habitat may naturally retard benthic diversity. The specific cause of the low taxa diversity is currently unknown.

IMPAIRMENT SOURCE: Unknown, Unknown

The Petit Branch monitoring station is located at the Route 679 Bridge over Petit Branch. On-site sewage treatment system leachate from residences bordering the creek is a potential source. Upstream farm land is spray irrigated using effluent from the waste treatment system at Eastern Shore Seafood (VPA01060), a Virginia Pollution Abatement no-discharge permitted facility. The watershed receives inputs from storm water runoff associated with the surrounding residential /agricultural and wetlands areas. The specific source of the enteric bacteria causing the Fecal Coliform Bacteria standard violations is currently unknown. Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Gargathy Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D03E-01
ASSESSMENT CATEGORY: 5C
SEGMENT SIZE: 0.06 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins 1.6 miles upstream of monitoring station (7-GAR001.80)

RIVER MILE: 3.45

LATITUDE: 37.78778

LONGITUDE: -75.56742

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at confluence with Gargathy Bay

RIVER MILE: 1.38

LATITUDE: 37.77138

LONGITUDE: -75.55689

Segment begins 1.6 miles upstream of monitoring station @ RM 3.45 and extends downstream to RM 1.38, confluence with Gargathy Bay.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen

Sufficient exceedances of Virginia's water quality standard for Dissolved Oxygen recorded at the station on Gargathy Creek (7-GAR001.80, located at Rt 680 crossing) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report. The cause of the low dissolved oxygen concentrations is most probably natural and characteristic of this tidal wetlands area.

IMPAIRMENT SOURCE: Natural Conditions

The monitoring station (7-GAR001.80) is located on Gargathy Creek, which empties into the Atlantic Ocean. The land use in the watershed is primarily wetlands & low density residential. The watershed potentially receives inputs from wetlands areas and storm water runoff. The source of the low dissolved oxygen concentrations is most probably natural and characteristic of this tidal wetlands area.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Finney Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D03E-02
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.001 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016
UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the end of tidal waters.

RIVER MILE: 2.83

LATITUDE: 37.65612

LONGITUDE: -75.67961

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the point where the stream width greatly widens.

RIVER MILE: 2.02

LATITUDE: 37.64667

LONGITUDE: -75.68043

Segment begins at the end of tidal waters and ends at the point where the stream width greatly widens.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances of the Fecal Coliform bacteria standard recorded at station on upper portion of Finney Cr. (7-FNC002.43, Rt 605 crossing) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report. The cause of the Fecal Coliform Bacteria standard violation is the presence of enteric bacteria.

IMPAIRMENT SOURCE: Unknown

The monitoring station (7-FNC002.43) is located at the Rt 605 crossing. The land use in the watershed is agricultural, forested, wetlands & low density residential near Locustville. The watershed potentially receives inputs from on-site sewage treatment systems, wetlands areas and storm water runoff. The source of the bacteria impairment is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Folly Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D03E-10
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.29 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.7

LATITUDE: 37.68750

LONGITUDE: -75.62917

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.70833

LONGITUDE: -75.65833

VDH-DSS shellfish harvesting condemnation # 173, located in Folly Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Gargathy Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D03E-11
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.12 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.7

LATITUDE: 37.78778

LONGITUDE: -75.56742

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.77138

LONGITUDE: -75.55689

VDH-DSS shellfish harvesting condemnation # 172, located in Gargathy Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

The cause of the shellfishing restriction is the potential of contaminated shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Parker Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D03E-12
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.08 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 2.7

LATITUDE: 37.72500

LONGITUDE: -75.60000

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.72500

LONGITUDE: -75.62500

VDH-DSS shellfish harvesting condemnation # 98, Parker Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Parker Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D03R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 2.26 - Miles
INITIAL LISTING: 1994 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the Route 13 culvert crossing
RIVER MILE: 2.26
LATITUDE: 37.73333 **LONGITUDE:** -75.65000

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the Rt 744 Bridge
RIVER MILE: 0.00
LATITUDE: 37.71667 **LONGITUDE:** -75.61667

Segment begins at the Route 13 culvert crossing and ends at the Rt 744 Bridge.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE: General Standard (Benthic), Fecal Coliform & E.coli (2004)

Quarterly biological monitoring at station 07-PAR004.35 (Business Rt. 13 Bridge) and 07-PAR003.09 (Rt. 744 Bridge) on Parker Creek indicated the stream's benthic community is severely impaired. As a result, DEQ's General Standard (VR680-21-01.2) is not met for the protection of benthic aquatic life and this segment is assessed as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. Sufficient exceedances of the standard for Fecal Coliform & Enterococci (2004) bacteria at the above two station to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2002 305(b) report. The specific cause of the benthic impairment is unknown. The cause of the Fecal Coliform bacteria standard violation is the presence of enteric bacteria.

IMPAIRMENT SOURCE: Unknown, Unknown

Stream flow is predominately composed of treated effluent from the Perdue Farms VPDES (VA0003808) permitted discharge at the headwaters of the tributary. The facility has completed a toxicity reduction evaluation and is meeting limitations for whole effluent toxicity. Perdue Farms, Incorporated is conducting a special study in conjunction with citizen groups to elucidate the source of the enteric bacteria. The Perdue Farms discharge has been in compliance with their effluent limitations for Fecal Coliform Bacteria. The specific source of the Fecal Coliform & Enterococci bacteria impairment is currently unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Gargathy Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D03R-02
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 4.66 - Miles
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014
UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the headwaters of tributary.

RIVER MILE: 4.66

LATITUDE: 37.82850

LONGITUDE: -75.57320

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the beginning of tidal waters.

RIVER MILE: 0.00

LATITUDE: 37.80560

LONGITUDE: -75.56140

Segment begins at the headwaters of the tributary and ends at the beginning of tidal waters.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE: General Standard (Benthic), Fecal Coliform

Quarterly biological monitoring at station 07-GAR006.01 (located at Rt 157) indicated the stream's benthic community is moderately impaired. As a result, DEQ's General Standard (VR680-21-01.2) is not met for the protection of benthic aquatic life and this segment is assessed as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The specific cause of the benthic impairment is currently considered unknown. Sufficient exceedances (2/4) of the standard for Fecal Coliform bacteria at the above station is the basis to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report. The cause of the bacteria standard violation is the presence of enteric bacteria.

IMPAIRMENT SOURCE: Unknown, Unknown

The specific source of the impairments is currently unknown.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Ross Branch tributary to Folly Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D03R-03
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 3.11 - Miles
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014
UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the headwaters of tributary.

RIVER MILE: 3.11

LATITUDE: 37.69480

LONGITUDE: -75.70670

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the start of tidal waters.

RIVER MILE: 0.00

LATITUDE: 37.69630

LONGITUDE: -75.66340

Segment begins at headwaters extending downstream to start of tidal waters.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: General Standard (Benthic)

Quarterly biological monitoring at station 07-RSS001.40 (located at State Route 600) indicated the stream's benthic community is moderately impaired. As a result, DEQ's General Standard (VR680-21-01.2) is not met for the protection of benthic aquatic life and this segment is assessed as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report.

The specific cause of the impairment is currently considered unknown.

IMPAIRMENT SOURCE: Unknown

The specific source of the impairment is currently unknown.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Accomack
STREAM NAME: Folly Creek unnamed tributary
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D03R-04
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 1.61 - Miles
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014
UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the headwaters of tributary.

RIVER MILE: 1.61

LATITUDE: 37.72860

LONGITUDE: -75.65840

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the beginning of tidal waters.

RIVER MILE: 0.00

LATITUDE: 37.70990

LONGITUDE: -75.65340

Segment begins at headwaters extending to start of tidal waters.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: General Standard (Benthic)

Quarterly biological monitoring at station 07-XDE000.40 (located at State Route 652) indicated the stream's benthic community is moderately impaired. As a result, DEQ's General Standard (VR680-21-01.2) is not met for the protection of benthic aquatic life and this segment is assessed as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report.

The specific cause of the impairment is currently considered unknown.

IMPAIRMENT SOURCE: Unknown

The specific source of the impairment is currently unknown.

Targeted monitoring is necessary to further delineate the extent of impairment and to characterize its causes and sources.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Red Bank Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D04E-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins 0.3 miles upstream from monitoring station (7-RBC003.01), at end of tidal waters.

RIVER MILE: 3.29

LATITUDE: 37.44600

LONGITUDE: -75.85060

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends 0.3 miles downstream from monitoring station at confluence with unnamed tributary (XDF)

RIVER MILE: 2.70

LATITUDE: 37.44093

LONGITUDE: -75.84454

Segment begins 0.3 miles upstream from monitoring station (7-RBC003.01), at end of tidal waters and ends 0.3 miles downstream from monitoring station at confluence with unnamed tributary (XDF) entering from south.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen

Sufficient exceedances (2/5) of Virginia's water quality standard for Dissolved Oxygen recorded at station on Red Bank Creek (7-RBC003.01) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report. The cause of the dissolved oxygen standard violation is unknown.

IMPAIRMENT SOURCE: Unknown

The monitoring station (7-RBC003.01) is located on Red Bank Creek, which empties into Hog Island Bay. The land use within this segment's watershed contains a tomato plasticulture farm. The land use in the watershed is primarily wetlands & low density residential. The watershed potentially receives inputs from wetlands areas and some storm water runoff. The source of the impairment is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Red Bank Creek unnamed tributary
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D04E-02
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins 0.3 miles upstream from monitoring station (7-XDF00.11), where creek branches.

RIVER MILE: 0.40

LATITUDE: 37.43742

LONGITUDE: -75.84892

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at mouth, confluence with Red Bank Creek

RIVER MILE: 0.00

LATITUDE: 37.44093

LONGITUDE: -75.84454

Segment begins 0.3 miles upstream of monitoring station @ RM 0.40 (where creek branches) and extends downstream to confluence with Red Bank Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen

Sufficient exceedances (2/5) of Virginia's water quality standard for Dissolved Oxygen recorded at station on unnamed tributary to Red Bank Creek (7-XDF000.11) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report. The cause of the dissolved oxygen standard violation is unknown.

IMPAIRMENT SOURCE: Unknown

The monitoring station (7-XDF000.11) is located on a Tributary to Red Bank Creek, which empties into Hog Island Bay. The land use surrounding this segment contains a tomato plasticulture farm. The land use in the watershed is primarily wetlands & low density residential. The watershed potentially receives inputs from wetlands areas and some storm water runoff. The source of the impairment is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Red Bank Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D04R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 1.1 - Miles
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins 0.5 miles upstream from monitoring station (7-RBC003.87) at headwaters.

RIVER MILE: 4.39

LATITUDE: 37.44844

LONGITUDE: -75.86316

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends 0.5 miles downstream of monitoring station at the start of tidal waters.

RIVER MILE: 3.29

LATITUDE: 37.44600

LONGITUDE: -75.85060

Segment begins at the headwaters and extends downstream to the start of tidal waters.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances (2/3) of the Fecal Coliform bacteria standard at station 7-RBC003.87 (Rt 600 crossing) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report. The cause of the Fecal Coliform bacteria standard violation is the presence of enteric bacteria.

IMPAIRMENT SOURCE: Unknown

The monitoring station (7-RBC003.87) is located on Red Bank Creek, which empties into Hog Island Bay. The land use surrounding this segment contains a tomato plasticulture farm. The land use in the watershed is primarily wetlands & low density residential. The watershed potentially receives inputs from wetlands areas and some storm water runoff. The source of the impairment is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Oyster Harbor (Slip)
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D05E-10
ASSESSMENT CATEGORY: 5B
SEGMENT SIZE: 0.05 - Sq. Mi.
INITIAL LISTING: 1998
TMDL SCHEDULE: 2010
UPSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 1.1

LATITUDE: 37.28750

LONGITUDE: -75.90000

DOWNSTREAM LIMIT:

DESCRIPTION:

RIVER MILE: 0.00

LATITUDE: 37.28611

LONGITUDE: -75.93333

VDH-DSS shellfish harvesting condemnation # 12, located in Oyster Harbor.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Shellfishing Use - Not Supporting

IMPAIRMENT CAUSE: VDH Shellfish Restriction

The shellfish harvesting condemnation imposed by the VDH-Division of Shellfish Sanitation is the basis to assess this segment as minimally impaired for the Shellfishing Use Support Goal. Best Professional Judgement is used to evaluate this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The determination of the minimal impairment is based on the ability to relay the resource to cleaner waters for purging and subsequent recovery of the shellfish resource.

IMPAIRMENT SOURCE: Unknown

The shellfish harvesting condemnation is issued by the VDH - Division of Shellfish Sanitation based on their bacteriological monitoring, assessment of the potential for shellfish contamination, and subsequent determination of potential threat to human health resulting from contaminated shellfish consumption. The specific source causing the shellfish harvesting restriction is unknown. VDH - Division of Shellfish Sanitation conducts periodic shoreline survey assessments to implement corrective actions.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Taylor Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D05R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 1.25 - Miles
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the Penn Central RR crossing near headwaters of tributary.

RIVER MILE: 1.95

LATITUDE: 37.33087

LONGITUDE: -75.94018

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the impoundment 0.1 mi downstream of station.

RIVER MILE: 0.70

LATITUDE: 37.33350

LONGITUDE: -75.91160

Segment begins at the Penn Central RR crossing near headwaters of tributary and ends at the impoundment 0.1 mi downstream of station.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances of the Fecal Coliform Bacteria standard (11/31) recorded on Taylor Creek (7-TAL000.80) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2002 & 2004 305(b) reports. The cause of the elevated Fecal Coliform Bacteria levels is currently unknown.

IMPAIRMENT SOURCE: Unknown

The Taylor Creek monitoring station is located at the Route 600 bridge, in the Indiantown Neck area of Northampton Co. The land use in the watershed is mixed forested, agricultural production, and sparse residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff associated with the surrounding forested/agricultural/residential area. The specific source of the enteric bacteria causing the elevated Fecal Coliform Bacteria levels is currently unknown.

Additional monitoring is necessary to confirm impairment and determine whether it is not naturally occurring.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Holt Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D05R-02
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 1.71 - Miles
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the headwaters.
RIVER MILE: 1.71
LATITUDE: 37.38982 **LONGITUDE:** -75.90558

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the beginning of tidal waters.
RIVER MILE: 0.00
LATITUDE: 37.38811 **LONGITUDE:** -75.88287

Segment begins at the Penn Central RR crossing near headwaters of tributary and extends to the beginning of tidal waters.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances of the Fecal Coliform Bacteria standard (6/29) recorded on Holt Creek (7-HLT002.08) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report. The cause of the elevated Fecal Coliform Bacteria levels is currently unknown.

IMPAIRMENT SOURCE: Unknown

The Holt Creek monitoring station is located at the Route 600 bridge, east of Martins Siding in Northampton Co. The land use in the watershed is mixed forested, agricultural production, and sparse residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff. The specific source of the enteric bacteria causing the elevated Fecal Coliform Bacteria levels is currently unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Holt Creek unnamed tributary
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D05R-03
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 1.38 - Miles
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the Penn Central RR crossing near headwaters.

RIVER MILE: 1.38

LATITUDE: 37.39901

LONGITUDE: -75.90502

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the confluence with Holt Creek.

RIVER MILE: 0.00

LATITUDE: 37.38914

LONGITUDE: -75.88876

Segment begins at the Penn Central RR crossing near headwaters and ends at the confluence with Holt Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

Sufficient exceedances of the Fecal Coliform Bacteria standard (2/4) recorded on unnamed tributary to Holt Creek (7-XDI000.88) to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report. The cause of the elevated Fecal Coliform Bacteria levels is currently unknown.

IMPAIRMENT SOURCE: Unknown

The monitoring station is located slightly upstream of the Route 600 bridge, east of Martins Siding in Northampton Co. The land use in the watershed is mixed forested, agricultural production, and sparse residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff. The specific source of the enteric bacteria causing the elevated Fecal Coliform Bacteria levels is currently unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Magothy Bay
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D06E-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.1 - Sq. Mi.
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins 0.1 miles upstream from monitoring station at Cushmans Landing.

RIVER MILE: 4.16

LATITUDE: 37.17700

LONGITUDE: -75.94123

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends 0.1 miles downstream from monitoring station at Cushmans Landing.

RIVER MILE: 3.96

LATITUDE: 37.17546

LONGITUDE: -75.94145

Segment begins 0.3 miles upstream from monitoring station (7-RBC003.01), at end of tidal waters and ends 0.3 miles downstream from monitoring station at confluence with unnamed tributary (XDF) entering from south.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Dissolved Oxygen

Sufficient exceedances (3/9) of Virginia's water quality standard for Dissolved Oxygen recorded at station at Cushmans Landing (7-MAG004.06) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report. The cause of the dissolved oxygen standard violation is unknown.

IMPAIRMENT SOURCE: Unknown

The monitoring station is located on Cushmans Landing, which is adjacent to Magothy Bay. The land use in the watershed is primarily wetlands & low density residential. The watershed potentially receives inputs from wetlands areas and some storm water runoff. The source of the impairment is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Mill Creek
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D06R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 1.55 - Miles
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the start of Mill Creek upstream of Penn central RR crossing.

RIVER MILE: 1.55

LATITUDE: 37.22003

LONGITUDE: -75.96521

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends downstream of Rt 600 at the beginning of the impoundment upstream of tidal waters.

RIVER MILE: 0.00

LATITUDE: 37.21445

LONGITUDE: -75.94461

Segment begins at the start of Mill Creek upstream of Penn central RR crossing and ends downstream of Rt 600 at the beginning of the impoundment upstream of tidal waters.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE:

 Dissolved Oxygen, pH, Fecal Coliform

Sufficient exceedances of Virginia's water quality standards for Dissolved Oxygen (DO) and pH were recorded at DEQ's ambient water quality monitoring station on Mill Cr. (7-MCR002.00) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The cause of the DO standard violation is unknown. Sufficient exceedances of the Fecal Coliform Bacteria standard (6/26) recorded at the above station is the basis to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report. The cause of the elevated Fecal Coliform Bacteria levels is unknown.

IMPAIRMENT SOURCE:

 Unknown, Unknown, Unknown

The monitoring station is located at the Route 600 bridge, north of Capeville in Northampton Co. The land use in the watershed is mixed forested, agricultural production, and sparse residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff. The source of the impairments is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Northampton
STREAM NAME: Narrow Channel Branch
HYDROLOGIC UNIT: 02080110
TMDL ID: VAT-D06R-02
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 1.37 - Miles
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the upstream branching.

RIVER MILE: 1.37

LATITUDE: 37.00000

LONGITUDE: -75.00000

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the beginning of tidal waters.

RIVER MILE: 0.00

LATITUDE: 37.00000

LONGITUDE: -75.00000

Segment begins at the upstream branching and ends at the beginning of tidal waters.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting, Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform, General Standard (Benthic)

Quarterly biological monitoring at the station on Narrow Channel Branch (7-NCB000.97, located at Rt 600) indicated the stream's benthic community is moderately impaired. As a result, DEQ's General Standard (VR680-21-01.2) is not met for the protection of benthic aquatic life and this segment is assessed as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report. The specific cause of the benthic impairment is unknown. Sufficient exceedances of the Fecal Coliform Bacteria standard (2/4) recorded at the above station is the basis to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report. The cause of the elevated Fecal Coliform Bacteria levels is currently unknown.

IMPAIRMENT SOURCE: Unknown, Unknown

The monitoring station is located at the Route 600 bridge, east of Bayview in Northampton Co. The land use in the watershed is mixed forested, agricultural production, and sparse residential. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff. The specific source of the enteric bacteria causing the elevated Fecal Coliform Bacteria levels is currently unknown. The source of the benthic impairment is unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: Lake Wesley
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-D07E-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 1998 **TMDL SCHEDULE:** 2010
UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the start of Lake Wesley

RIVER MILE: 0.40

LATITUDE: 36.82340

LONGITUDE: -75.97320

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the confluence with Rudee Inlet

RIVER MILE: 0.39

LATITUDE: 36.83020

LONGITUDE: -75.97320

Segment begins at the upstream start of Lake Wesley and extends to the confluence with Rudee Inlet.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Support

IMPAIRMENT CAUSE: pH

Sufficient exceedances of the criteria for pH were recorded at DEQ's ambient water quality monitoring station on Lake Wesley (7-LAE000.20) to assess this segment not supporting for the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report.

The cause of the alkaline pH concentrations is currently unknown.

IMPAIRMENT SOURCE: Unknown

The Lake Wesley monitoring station is located in the center of Lake Wesley, City of Virginia Beach. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff associated with the surrounding residential area. The specific source of the alkaline pH concentrations is currently unknown.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: Lake Rudee
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-D07E-02
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.13 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the start of Lake Rudee.

RIVER MILE: 0.60

LATITUDE: 36.82323

LONGITUDE: -75.98292

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at Rudee Inlet.

RIVER MILE: 0.00

LATITUDE: 36.82970

LONGITUDE: -75.96960

Segment begins at the start of Lake Rudee and extends through Rudee Inlet.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting, Recreation Use - Not Supporting

IMPAIRMENT CAUSE: pH, Fecal Coliform

Sufficient exceedances of the criteria for pH were recorded at DEQ's ambient water quality monitoring station on Lake Rudee (7-LAI000.04, 7-LAI000.18, 7-LAI000.56) to assess this segment not supporting for the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The cause of the alkaline pH concentrations is currently unknown. Sufficient exceedances of the Fecal Coliform Bacteria standard (8/48 - at 0.18 & 6/49 - at 0.56) recorded at the above station is the basis to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2004 305(b) report. The segment impaired by bacteria excludes the Rudee Inlet Canal. The cause of the elevated Fecal Coliform Bacteria levels is unknown.

IMPAIRMENT SOURCE: Unknown, Unknown

The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff associated with the surrounding residential area. The specific source of the alkaline pH concentrations is currently unknown.

Additional monitoring is necessary to confirm the extent of impairment and determine whether it is not naturally occurring.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: Owl Creek (lower)
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-D07E-03
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.01 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Segment begins one-half mile upstream of mouth
RIVER MILE: 0.50
LATITUDE: 36.81927 **LONGITUDE:** -75.98626

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends at the confluence with Lake Rudee
RIVER MILE: 0.00
LATITUDE: 36.82323 **LONGITUDE:** -75.98292

Segment begins 0.50 mi. upstream of start of Owl Creek to the confluence with Lake Rudee.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Aquatic Life Use - Not Supporting

IMPAIRMENT CAUSE: pH

Sufficient exceedances of the criteria for pH were recorded at DEQ's ambient water quality monitoring station on Owl Creek (7-OWL000.01) to assess this segment not supporting for the Clean Water Act's Aquatic Life Use Support Goal for the 2002 & 2004 305(b) report.

The cause of the alkaline pH concentrations is currently unknown.

IMPAIRMENT SOURCE: Unknown

The Owl Creek monitoring station (7-OWL000.01) is located off the Marine Science Museum parking lot, City of Virginia Beach. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff associated with the surrounding residential area. The specific source of the alkaline pH concentrations is currently unknown.

Additional monitoring is necessary to confirm the extent of impairment and determine whether it is not naturally occurring.

Fact Sheets for Category 5 Waters

RIVER BASIN: Chesapeake Bay/Atlantic/Small Coastal Basins
CITY/COUNTY: Virginia Beach
STREAM NAME: Owl Creek (upper)
HYDROLOGIC UNIT: 02080108
TMDL ID: VAT-D07E-04
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 0.004 - Sq. Mi.
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Segment begins at the start of Owl Creek headwaters.

RIVER MILE: 1.02

LATITUDE: 36.81502

LONGITUDE: -75.99184

DOWNSTREAM LIMIT:

DESCRIPTION: Segment ends 0.5 mi. above confluence with lake Rudee.

RIVER MILE: 0.50

LATITUDE: 36.81927

LONGITUDE: -75.98626

Segment begins at start of Owl Cr. and extends to mid-way point, 0.5 mi. above confluence with lake Rudee.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform & Enterococci

Sufficient exceedances of the criteria for Fecal Coliform Bacteria & Enterococci were recorded at DEQ's ambient water quality monitoring station on Owl Creek (7-OWL000.77) to assess this segment not supporting for the Clean Water Act's Recreation Use Support Goal for the 2002 & 2004 305(b) reports.

The cause of the elevated Fecal Coliform & Enterococci Bacteria concentrations is currently unknown.

IMPAIRMENT SOURCE: Unknown

The Owl Creek monitoring station (7-OWL000.77) is located upstream of the Marine Science Museum building. The watershed potentially receives inputs from wetlands areas, residential sewage treatment systems, and storm water runoff associated with the surrounding residential area and waterpark. The specific source of the elevated bacteria concentrations is currently unknown.